



 **MIDLAND**<sup>®</sup>  
PUT YOURSELF IN ACTION

CHOOSE TO BE  
EXTRAORDINARY.

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**MIDLAND®**  
PUT YOURSELF IN ACTION



ACTION  
CAMERAS

# MIDLAND XTC400 FULL HD ACTION CAM



IMMEDIATE  
RECORDING



WIFI



SUBMERSIBLE  
CASE 85M



IMAGE  
STABILIZATION



VIDEO H1080P  
M 720P-L WVGA



PHOTO 12MP



LONG LASTING  
BATTERIES (5H)



3+1  
FIXING  
SYSTEM



LENS ANGLE  
VARIABLE 170°



APP ACTION  
CONNECT



NO  
INSTRUCTIONS



VAST RANGE  
OF ACCESSORIES

Full HD  
1080



The mini-camera that combines sophisticated technology content with extreme ease of use. Chosen by fans of sports, by bikers, by winter sports enthusiasts and fans of diving and underwater fishing and many others...Thanks to the many accessories the Midland Action Cameras are versatile and suitable for any situation, ideal for every moment that must be shot and remembered.

## BUILT-IN WIFI

Thanks to the built-in WiFi, XTC400 connects to smartphones and tablets to watch videos and photos in real time and to share them with your friends. With the App "Action Connect" you can access a wide range of settings, activate the zoom, take pictures or sequences of pictures.

## SHOOT

Watch live streaming video coming from the Cam XTC400 on your smartphone and tablet or use it as a remote control.

## SHOW

View and review movies and photos from your smartphone and tablet.

## SHARE

Sharing has never been so easy! Download videos and photos on your mobile device and share them in real time with the whole world through Facebook and Youtube.

## ONE BUTTON AND SIMPLE SETTINGS

A single large button at the top to control the action cam. Simple settings can be made via the selectors in the back of the camera. All the information you need to keep an eye on are shown by 3 LED lights on the camera, indicating battery status, memory status and camera status. In addition, activating the Low/Light function allows you to increase filming brightness even in low visibility conditions (sunset, sunrise).

## 3+1 FIXING SYSTEM AND A COMPLETE RANGE OF ACCESSORIES

The XTC400/450 is the only Action Cam that can be fixed on both sides and at the base, with a single fixing system. It is also fitted with standard screw for cameras.

The accessories, totally redesigned in order to make them stronger, durable and suitable to any type of situation.

**Surface Mount**  
**Wearable Mount**  
**Vehicles Mount**  
**RAM Professional Mount**  
**Tactical Mount**



# MIDLAND XTC450 FULL HD MIMETIC



EXTERNAL MIKE JACK

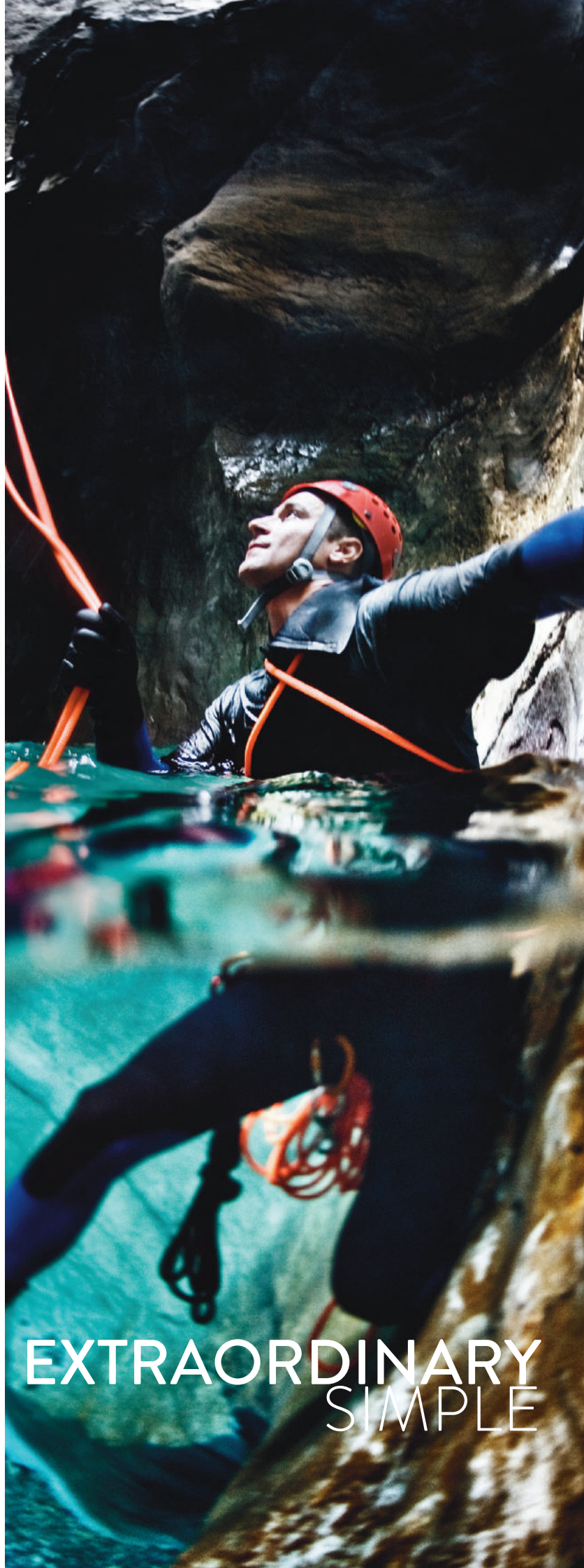
While having the same characteristics as XTC400, XTC450 is also equipped with a STEALTH MODE, which makes it silent as well as invisible.

## INCREDIBLE BATTERY LIFE

Up to 5 hours of recording

## PACKS AND CODES

Video camera, 85m submersible case, 2 universal fixing systems with bi-adhesive (fixed and adjustable), Li-ion 3.7V battery pack 1700 mAh, USB cable  
XTC400 code C1106.01  
XTC450 code C1106.02



# EXTRAORDINARY SIMPLE



EXTRAORDINARY  
EMOTIONAL





# MIDLAND XTC270 FULL HD ACTION CAM



IMMEDIATE  
RECORDING



SUBMERSIBLE  
CASE 30M



DOUBLE IMAGE  
STABILIZATION



NO  
INSTRUCTIONS



REAL VIEW  
130°



EAGLE EYE VIEW  
90°



VAST RANGE  
OF ACCESSORIES

Full HD  
1080



NEW

## THE ACTION FOR HELMET WEARERS

The XTC270 pack consists of accessories designed for anyone who wants to record videos from motorbikes, bicycles, or during sports requiring the use of helmets. You may of course buy accessories for using the Action camera in many other moments.

## SIMPLE AND QUICK

XTC270 is extremely easy to use thanks to a large on/off/record button on the top.

## WIDE ANGLE AND STABILISER

Equipped with a 130° wide-angle lens and an image stabiliser for excellent shooting. The supplied underwater housing protects your Action Cam from water up to a depth of 60m, as well as from mud and dust.

## PACKS AND CODES

Video camera, submersible case 60m, 1 helmet mount system, Li-Ion 3,7V battery pack 900mAh, USB cable  
**code C1175**



# MIDLAND H5 FULL HD ACTION CAM



WI-FI



SUBMERSIBLE  
CASE 30M



1.5" LCD DISPLAY



VIDEO



PHOTO



CAR DVR



WIDE ANGLE  
140°



IMAGE  
STABILIZATION



ALL  
ACCESSORIES  
IN THE PACK



NEW

Remove H3 refs



Full HD  
1080

## THE NEW MIDLAND ACTIONCAM GENERATION

Midland introduces the new H series, characterized by its different form factor, completing therefore the range of action cameras to cover all possible use. Its small dimensions and practicality make H5 perfect for the requirements of all sportsmen and outdoor enthusiasts.

### INTEGRATED 1.5" LCD SCREEN

Midland H5 has an integrated display to frame, easily adjust settings and reproduce videos and photos.

### CAR DVR FUNCTION

H5 is equipped with Cycle recording and it can be easily installed in the car and record continuously what is happening while you are driving.

## WIDE ANGLE AND IMAGE STABILIZER

H5 is fitted with 140° wide angles and image stabilizer for excellent shoots.

### SUBMERSIBLE CASE 30M

The submersible case supplied protects the actioncam from water up to a depth of 30 meters, but also from mud and dust.

### WIFI

Thanks to the integrated wifi, Midland H5 connects to both smartphone and tablet to watch, play and share videos and photos, thanks to the "iSmart DV" (iOS and Android) App.

## PACKAGING AND CODES

Camera, 30m submersible case, coloured front, Li-Ion 900mAh battery pack, USB cable and 20 elements to combine to create the best mounting solution for your requirements (i.e.: helmet support, handlebar, bike helmet, etc.).

code C1208






# TECHNICAL SPECIFICATIONS

MODEL	XTC400/450	XTC270	H5
RESOLUTION	1920 x 1080p (30/25fps) 1280 x 720p (60/50fps) WVGA848X480 (120/100fps)	1920 x 1080p (30fps) 1280 x 720p (60fps)	1920 x 1080p (30fps) 1280 x 720p (60fps)
SENSOR	12Mp	5,2 Mp	5,2 Mp
ASPECT RATIO	16:9	16:9	16:9
FORMAT	H.264 File type - MP4	H.264 File Type - MP4	MP4
LENS	7 elements (6 tempered glass, 1 IRF)	5 elements	6 elements
ROTATING LENS	Yes	No	No
LENS ANGLE	Variable 170°	130° H/90° L	140° (H5)
SD CARD	Up to 32 GB	Up to 32 GB	Up to 32 GB
BATTERY	Li-Ion 1700mAh; Up to 5 hours	Li-Ion 900 mAh, Up to 100 minutes	Li-Ion 900 mAh, up to 100 minutes
INSTANT RECORDING	Yes	Yes	No
STEALTH MODE	Optional	No	No
PHOTO	Yes	No	Yes
TRIPOD MOUNT	Yes	Yes	Included
EXTERNAL MIKE JACK	Yes	No	No
WEIGHT	140g	93g	58g
DIMENSIONS	(HxLxP) 52x95x35mm	(HxLxP) 42.2x89,1x30.3mm	(HxLxP) 41,1x59,3x29,3
OPERATING SYSTEMS	Win XP, SP2, Vista 7&8, Mac OSX 10.4+	Win XP, SP2, Vista 7&8, Mac OSX 10.4+	Win XP, SP2, Vista 7&8, Mac OSX 10.4+


## ACCESSORIES

SURFACE			
XTC400 XTC450		BASIC	C1108 Base fixing system (4 pcs)
XTC400 XTC450		MINISPIDER	C1109 Small base with 3M adhesive and 45° slide
XTC400 XTC450		SPIDER	C1110 Large base with 3M adhesive and 45° slide for surf/snowboard


XTC280 XTC270		HELMET MOUNT	C990	Bi-adhesive helmet mount
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XTC280 XTC270		SURF SNOWBOARD MOUNT	C1038	270° Adjustable ABS and stainless steel mount with safety device to be fixed to a surfboard or snowboard
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## WEARABLE


XTC400 XTC450		BELT MOUNT	C1111	Belt mount
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XTC400 XTC450		VENTED HELMET MOUNT	C1112	Bicycle helmet mount
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XTC400 XTC450		HEAD STRAP MOUNT	C1113	Headband mount
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XTC400 XTC450		GOGGLE MOUNT	C1114	Mount for google (ski, motocross)
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XTC280 XTC270		GOGGLE MOUNT	C989	Mount for google (ski, motocross)
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ALL		CAP MOUNT	C1012	Cap mount
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XTC280 XTC270		HEAD STRAP MOUNT	C1040	Headband mount
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XTC280 XTC270		VENTED HELMET MOUNT	C991	Universal Velcro band for bicycle helmet, rucksack, etc.
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ALL		CHEST MOUNT	C1115	Chest mount compatible with the entire XTC line through a standard screw connection.
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## VEHICLE





XTC400 XTC450		HANDLEBAR MOUNT	C1117	Mount for handlebars
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ALL		SUCTION CAP MOUNT	C980.01	Suction mount for cars and motorcycles for stable recording on a vehicle, ideal for smooth (bodywork) and rough surfaces (dashboard).
XTC280 XTC270		HANDLEBAR MOUNT	C992	Mount for handlebars and tubes
PROFESSIONAL/RAM				
ALL		RAM ROLL BAR MOUNT	C1042	Professional mount for tubular handlebar with a diameter from 1 to 3 cm
ALL		RAM MAGNETIC MOUNT	C1041	Professional magnetic mount for metal surfaces. In steel, water resistant
ALL		RAM MOTO QUAD MOUNT	C1052	Professional mount suitable for all vehicles with tubes with a diameter from 3 to 6 cm
TACTICAL/WEAPONS				
XTC400 XTC450		PICATINNY MOUNT	C1118	Mount for rifles and guns with Piccatinny Rail
XTC280 XTC270		PICATINNY MOUNT	C1039	Mount for rifles and guns with Piccatinny Rail
ALL		UNIVERSAL RIFLE MOUNT	C1064.01	Universal mount for rifles
ALL		BOW MOUNT	C1068	Bow mount
		TREE MOUNT	C1062	Tree mount
POD				
ALL		BLACK SELFIE POD	C1204	Smartphone and XTC stick for taking selfies and shooting videos. Light and comfortable, it can be extended up to 80 cm, with integrated Bluetooth key.
ALL		FUCHSIA SELFIE POD	C1204.01	Smartphone and XTC stick for taking selfies and shooting videos. Light and comfortable, it can be extended up to 80 cm, with integrated Bluetooth key.
ALL		XT-POD	C1116	Multicam Monopod – Aluminum body (18cm)

ALL		XT-POD 2S	C1116.01	Telescopic multicam 2-section Monopod 100% Carbon fiber (80cm)
ALL		XT-POD 3S	C1116.02	Telescopic multicam 3-section Monopod 100% Carbon fiber (112cm)


## SUBMERSIBLE CASES/LENS KIT

XTC400 XTC450		CC-XTC400	C1121	Submersible case 85m
XTC300		CC-XTC300	C1031	Case with flat lens for diving down to 60m
XTC280 XTC270		CC-XTC280	C976.01	Case with flat lens for diving down to 60m
ALL		ANTI CONDENSATION INSERTS	C1171	They prevent condensation from forming inside the housing of your action camera. The package includes 18 inserts and one humidity indicator.
XTC300		LENS KIT	C1074	Lens replacement kit Contains: camera lens, spherical lens, flat lens 60 m of case and seals
XTC300		FLAT LENS	R73453	60m flat lens

## ADAPTERS

XTC400 XTC450		TRIPOD MOUNT	C1120	Side adapter to transform any screw mount into a side attachment
XTC280 XTC270		TRIPOD MOUNT	R73161	Side adapter to transform any screw mount into a side attachment
XTC280 XTC270		GOPRO ADAPTER	101854	

## BATTERIES

XTC400/450		BATTERY	C1124	3,7V - 1700mAh Li-Ion battery pack
XTC300		BATTERY	C1014	1100mAh Li-Ion battery
XTC280/270		BATTERY	C1015	900mAh Li-Ion battery





**MIDLAND®**  
PUT YOURSELF IN ACTION

RADIOS

# MIDLAND G5 XT

08

PMR446

16

CHANNELS  
PRE-PROGR



VOX



BABY SITTER



CALL



BATTERY LEVEL



AAA  
BATTERY



2 PIN



## IDEAL IN THE FAMILY, THANKS TO THE BABYSITTING FUNCTION

**Version:** PMR446  
**Colour:** Black  
**Channels:** 8 + 16 pre-programmed  
**Tones:** 38 CTCSS

## SPECIFICATIONS

- Babysitting function with dedicated channels
- Keypad lock
- Auto power save: automatic battery saving
- Low battery indicator
- VOX adjustable to 3 different levels + Vox Talk Back
- CALL
- Roger beep: end of call tone
- Power supply: 3 AAA batteries
- 2-pin accessory socket
- Compatible wall charger: MW904

## PACKS AND CODES

Blister pack with pair of radios, 2 wall chargers, 6 rechargeable AAA batteries, 2 belt clips, 2 wrist straps  
**code C897**

## MIDLAND G5 XT WORK&HOBBY FULL OPTIONAL

Practical box to carry radios wherever needed.

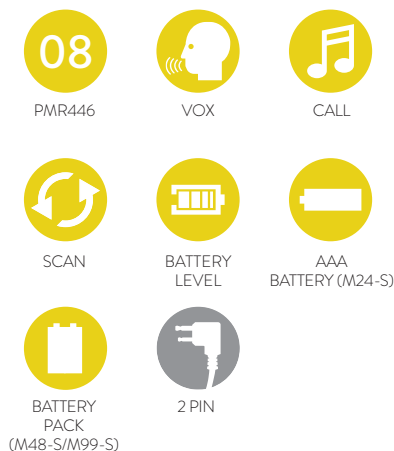
## PACKS AND CODES

**Work&Hobby full optional**  
pair of radios, 2 wall chargers, 6 rechargeable AAA batteries, 2 microphones with adjustable earpieces and PTT, 2 12V travel power supplies  
**code C897.01**



FREE TIME

# MIDLAND M24/48/99-S



## THE MOST COMPLETE RANGE FOR THOSE APPROACHING THE RADIO WORLD

### M24-S - 24 CHANNELS

**Version:** PMR446  
**Colour:** black/green  
**Channels:** 24 (8+16 pre-programmed)  
**Tones:** 38 CTCSS

#### SPECIFICATIONS

- Built-in vox adjustable to 2 levels
- Alphanumeric LCD display
- Call button, Keypad lock
- "SCAN" function, Auto Power Save
- Battery life: up to 12 hours
- Power supply: AAA batteries
- 2-pin accessory socket
- Compatible wall charger: MW904

#### PACKS AND CODES

2 radios, 2 belt clips, 8 batteries  
**code C1035**



### M48-S - 48 CHANNELS

**Version:** PMR446  
**Colour:** black/orange  
**Channels:** 48 (8+40 pre-programmed)  
**Tones:** 38 CTCSS

#### SPECIFICATIONS

- Built-in vox adjustable to 2 levels
- Alphanumeric LCD display
- Call button, Keypad lock
- "SCAN" function, Auto Power Save
- Battery life: up to 12 hours
- Power supply: battery packs
- 2-pin accessory socket
- Compatible wall charger: MW904

#### PACKS AND CODES

2 radios, 2 belt clips, 2 battery packs (800mAh),  
 double wall adapter  
**code C1036**



### M99-S 99 CHANNELS SUPER-ACCESSORISED

**Version:** PMR446  
**Colour:** black/silver  
**Channels:** 99 (8+91 pre-programmed)  
**Tones:** 38 CTCSS

#### SPECIFICATIONS

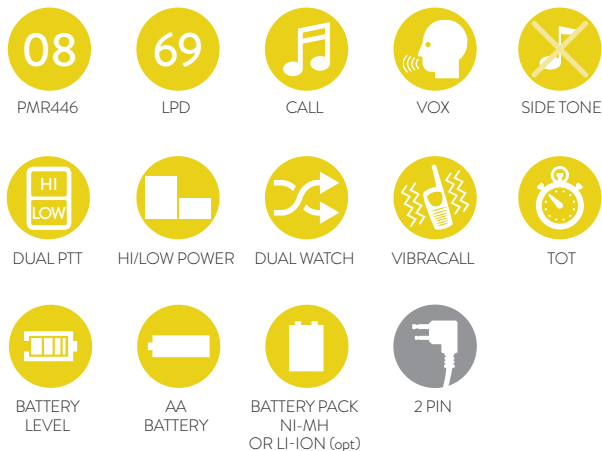
- Built-in vox adjustable to 2 levels
- Alphanumeric LCD display
- Call button, Keypad lock
- "SCAN" function, Auto Power Save
- Battery life: up to 12 hours
- Power supply: battery packs
- 2-pin accessory socket
- Compatible wall charger: MW904

#### PACKS AND CODES

2 radios, 2 belt clips, 2 battery packs (800mAh),  
 2 earpieces,  
 2 desktop chargers,  
 2 wall adapters  
**code C1037**



# MIDLAND G7 PRO



NEW



## THE BEST G7 EVER

An all-time favourite of outdoor enthusiasts, which provides the perfect balance of simplicity and efficiency, the Midland G7 transceiver is now available in a new, enhanced PRO Version.

**New design:** a larger display, which significantly improves visibility

**Power supply:** in addition to the NiMH BATTERY PACK and alkaline batteries, you can now use the new Li-Ion 1200mAh battery pack (optional), which makes your radio lighter by 20%.

**Communication:** enhanced sound quality for clearer voice communications.

**New Side Tone function:** noise silencer to eliminate squelch tails at the end of a transmission.

**3 Vox types** adjustable on two levels.

**Double PTT:** select high or low power as needed to improve battery life

**Versions:** Dual band PMR446/LPD  
PMR446  
**Colour:** Gray/Black - Mimetic Mossy Oak  
**Channels:** PMR446 8 - LPD 69  
**Tones:** 38 CTCSS + 104 DCS

**EXPORT VERSION 3W**

## SPECIFICATIONS

- Dual watch: to monitor 2 different channels at the same time
- Double PTT hi/low power
- Vibracall
- Keypad lock
- Auto power save: automatic battery saving
- Low battery indicator
- 3 types of VOX (Vox standard - Vox baby-sitting - Vox Bike) adjustable to 2 levels, for hands-free communication
- CALL with 5 different melodies
- SCAN
- Roger beep end call switchable
- Power supply: battery pack Ni-MH 800mAh or Li-Ion 1200mAh (optional), 4 AA batteries
- 2-pin accessory socket
- Compatible wall charger: MW 904



# MIDLAND G7 PRO MIMETIC

NEW



# EXTRAORDINARY VERSATILE



## PACKS AND CODES

### G7 PRO

#### Box single pack:

1 radio, wall charger, 4 rechargeable Ni-MH AA 1.2V/1800 mAh batteries, belt clip

code C1090.02 Dual band version

code C1090.03 Dual band mimetic version

#### Blister Box:

Pair of radios, double desktop charger, wall adapter, 2 800mAh battery packs, belt clip

code C1090 Dual band version

cod C1090.01 PMR446 only version

C1090.04 UK version

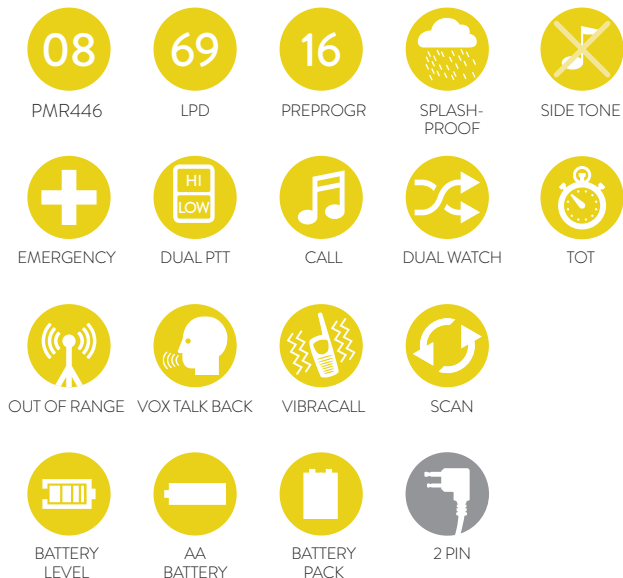
### G7XTR

#### Box single pack:

1 radio, wall charger, 4 rechargeable Ni-MH AA 1.2V/1800 mAh batteries, belt clip

code C926.04 Dual band mimetic version

# MIDLAND G9 PLUS



NEW



## HIGH-PERFORMANCE RADIOS THE NEW EDITION

**Versions:** Dual band PMR446/LPD  
**Colour:** Black/Mimetic Mossy Oak®  
**Channels:** PMR446 8 +16 saved  
 LPD 69  
**Tones:** 38 CTCSS + 104 DCS  
**EXPORT VERSION 5W**

## SPECIFICATIONS

- Double PTT button for high/low power: battery charging can be optimized and high power transmission used only when necessary, increasing the duration of the battery
- Emergency function: pressing the "Emergency" button enables communication with all radios with the same function (G8-G9), even if tuned to different channels
- Out of range function
- Dual watch function: to monitor 2 different channels at the same time
- New "Side tone" function: noise silencer to eliminate squelch tails at the end of a transmission
- 12 cm antenna to make the most of the full radio transmission power
- High-low power selection
- Vox Talk Back function/Vox adjustable to 3 levels

- Vibracall, Keypad lock
- Scan, Auto power save
- Low battery indicator
- CALL button with 5 available tones
- Monitor button
- Roger Beep: end of call tone (can be deactivated)
- Power supply: 4 AAA batteries (or 4.8V 800mAh NiMH battery pack optional)
- 2-pin accessory socket
- Compatible wall charger: MW904

## PACKS AND CODES

### Box single pack:

1 radio, desktop charger with wall adapter,  
 4 rechargeable AA batteries (1800 mAh), belt clip  
**code C923.05 Dual band version**  
**code C923.06 PMR446 only version**  
**code C923.07 Dual band mimetic version**



# MIDLAND ONDA

**TOURIST RADIO:**  
IT MANAGES UP TO 100  
GROUPS SIMULTANEOUSLY

100

SRD  
CHANNELS



LOW BATTERY  
INDICATOR



BATTERY  
PACK



SIDE TONE



1 PIN



Multiple charger case



POCKET-SIZE: 86 x 16 x 42 mm

## DESIGNED FOR TOURIST GUIDES AND GROUP TOURS

### SPECIFICATIONS

- Channels: 100 - Frequency: 472-474MHz
- 8 volume level
- Reception only for users
- Continuous transmission guaranteed to guide only, thanks to the dedicated accessory (MA28-TR)
- Auto power save: automatic battery saving
- Low battery indicator, Backlit LCD display
- Battery life up to 8 hours with battery pack
- Weight: 58g (without batteries)
- Dimensions: 86x16x42mm
- Power supply: Li-Ion battery pack (650mA)

- Different regulatory requirements may apply depending on the country in which Onda is sold.
- Dimensions: 86x16x42mm
- 1-pin stereo accessory socket

### PACKS AND CODES

#### Carton 50 receivers code C1069.01

50 receivers, waist clips, battery packs Li-Ion 3.7V 650 mAh and neck collars

#### Single pack code C1069

1 receiver

#### Desktop charger 25pz code C921 (777 series)

Desktop charger 25pz code C921.01 (Midland Onda)  
Carton 25 double desktop chargers with relative wall adaptors

#### Multiple charger case code C922

Rigid black suitcase to recharge 30 receivers with wall adaptor cable.

## OPTIONAL ACCESSORIES



PB777

**PB 777 C783**  
3,7V-650mAh Li-Ion battery pack  
**AL777 C803**  
Cigarette lighter power lead  
**R71968**  
Battery charger 220V



AL777



R71968

**R71969/R73579**  
2 positions desktop charger  
**MW905 C887**  
Wall charger  
**A-777 TR C987**  
Earphone, 1 pc.



R71969



A-777 TR

**A-777 TR C987.01**  
Earphone (100pcs)  
**S-777 TR C988.02**  
Protection sponge (500 pcs)



MA28-TR

**MA28-TR C559.05**  
Speak/listen microphone  
(PTT blocked in TX)

#### Rotating clip C1029

To rotate the radio when it is attached to the belt



Rotating clip

# MIDLAND GB1

08

PMR446

91

PREPROGR



SIDE TONE



TOT\*



SCAN

NEW



## THE FIRST VEHICULAR PMR446 IN THE WORLD!

Midland introduces onto the market the first vehicular PMR446 ever realized. GB1, small and compact, has a metal chassis guaranteeing sturdiness and durability. Even if reminding you of a CB, it works on the frequencies of a standard PMR466, with the advantage of not being subject to interferences and noise generated by vehicle engines. The integrated magnetic antenna and the 12V socket allow immediate installation and a wider range than the CB. Ideal for campers, cars and campings.

**Versions:** PMR446  
**Colour:** Black  
**Channels:** PMR446 8 + 91 progr.  
**Tones:** 50 CTCSS + 104 DCS

EXPORT VERSION 5W

## SPECIFICATIONS

- Microprocessor-controlled frequency
- 'Flip' function: the apparatus can be fitted with the speaker aimed downwards or vice-versa, the display is inverted by pressing a button
- Adjustable squelch on 9 levels
- SCAN function
- LCD display
- Integrated magnetic antenna
- TOT (Time out timer)\*
- Side tone: noise blanker at end of transmission
- Monitor function
- Busy channel (BCLO-Busy Channel Lockout)\*
- Broad/narrow band selection 25KHz/12.5KHz (only export version)\*
- High/low power (only export version)

## PACKAGING AND CODES

### Box single pack:

Radio, microphone, microphone holder, integrated magnetic antenna, mounting bracket, fixing screws, supply cable with cigarette lighter plug.

**code C1198**

\* Software programmable

## PROGRAMMING SOFTWARE PRG-GB1

cod. C1227

Complete with USB cable to connect to a PC



# MIDLAND D-200 DIGITAL RADIO



PREPROGR



DPMR446\*



DIGITAL SINGLE  
CALLS



DIGITAL GROUP  
CALLS



DIGITAL  
SCRAMBLER\*



VOX\*



SCAN



VOCAL  
INDICATIONS



BATTERY  
PACK



PIN KENWOOD



DIGITAL  
AUDIO  
SYSTEM



## NEW



\*With programming software, optional

## MIDLAND'S FIRST DIGITAL RADIO

This innovative device allows you to communicate using two different protocols: **DPMR446 and PMR446**.

Digital technology offers important new features; first of all, it **enhances communication quality**, which is much clearer than with the analog system. In addition, **digital audio processing significantly reduces sensitivity to noise and interference**. Being new on the market, the digital bandwidth is less congested than analog frequencies.

Channels are twice as many (16) as in a classic PMR446, being 8 analog and 8 digital (these last ones can become 16 through the use of the dedicated programming kit, code C974.01).

This allows you to make individual and group calls. In particular, D-200 comes with **3 customisable buttons that can be used to make three different types of calls** – standard, individual and group calls. In addition, a powerful digital scrambler will protect communications from unwanted listeners and ensure maximum privacy.

**Versions:** DPMR446/PMR446  
**Colour:** Black  
**Channels:** 8 Analogic + 8 Digital pre-programmed  
52 CTCSS + 166 DCS  
**Tones:**  
**EXPORT VERSION 5W**

## SPECIFICATIONS

- Analog/digital communication protocol
- Automatic recognition of the analog/digital channel used and default mode reset (via the programming software)
- 16 analog/digital channels
- Digital 6.25KHz filter
- 166 DCS codes+ 52 CTCSS tones (analog bandwidth)
- Individual and group digital calls
- 32bit digital scrambler
- Voice alert, Scan, VOX
- High-capacity 1800mAh Li-Ion battery
- External socket for 2-pin Kenwood accessories

## PACKS AND CODES

**Box single pack:**  
Radio, desktop charger, wall adapter, 1800 mAh Li-Ion rechargeable battery pack, belt clip  
code **C1159**

## PROGRAMMING SOFTWARE PRG 10

code **C974.01**  
Customisation of channels and frequencies, es. digital scrambler.

# SEMIPROFESSIONALS

# MIDLAND G10

08

PMR446

08

PREPROGR



SCAN



VOCAL  
INDICATIONS



BATTERY  
PACK



2 PIN  
KENWOOD

NEW



**MOSSY OAK**  
BRAND CAMO

## THE SIMPLE, USER-FRIENDLY RADIO NOW ALSO CAMO

Essential, practical and extremely reliable, the Midland G10 is a transceiver that flaunts a compact design, whilst being ultra-simple to use. Vocal signalling of the channel selected. Programmable by means of software to manage and programme the buttons/functions. The handle positioned near the antenna enables user-friendly channel selection; the function can be activated by using the two buttons to the side.

**Version:** PMR446  
**Colour:** Black  
**Channels:** 8 + 8 pre-set sub-channels  
**Tones:** 51 CTCSS + 83 DCS norm or inverts

**EXPORT VERSION: 5W**

## SPECIFICATIONS

- Output power: 500mW
- Channel spacing: 12.5KHz
- Channel scanning
- Function button beeps
- Monitor
- Auto power save
- Power supply: 1200mAh Li-Ion battery pack
- 2-pin Kenwood accessory socket

## PACKS AND CODES

### Box single pack:

1 radio, desktop charger, wall adapter, Li-Ion rechargeable battery pack (1200 mAh), belt clip  
**cod C1107 Black version**  
**cod C1107.02 Mimetic version**

## PROGRAMMING SOFTWARE PRG10

**code C974.01**

Customisation of channels and frequencies.

# MIDLAND G11V

08

PMR446

08

PREPROGR



VOX



SCAN



VOCAL  
INDICATIONS



ROGER BEEP



BUSY  
CHANNEL



BATTERY  
PACK



2 PIN  
KENWOOD



## COMPACT AND HARD-WEARING, WITH UNPARALLELED AUDIO

Midland G11V is a hard-wearing, reliable radio, thanks to its metal chassis, with every detail perfect.

The handle positioned near the antenna enables easy, user-friendly channel selection; the function available can be activated by simply using the two buttons to the side.

It also features clear, bright audio for high quality communication.

**Version:** PMR446

**Colour:** Black

**Channels:** 8 + 8 pre-set sub-channels

**Tones:** 50 CTCSS + 105 DCS norm or inverts

**EXPORT VERSION:** 5W

## SPECIFICATIONS

- Aluminium chassis
- Output power: 500mW
- Channel spacing: 12.5KHz
- VOX function (hands-free transmission)
- Channel scanning
- Function button beeps
- Roger beep
- Monitor
- TOT - Busy channel lock
- Auto power save
- Power supply: 1600mAh Li-Ion battery pack
- 2-pin Kenwood accessory socket

## PACKS AND CODES

### Box single pack:

1 radio, desktop charger, wall adapter, rechargeable Li-Ion battery pack (1600 mAh), belt clip  
cod C966.04

## PROGRAMMING SOFTWARE PRG10

code C974.01

Customisation of channels and frequencies.



# MIDLAND G15/G18



**WATERPROOF IP67**

## THE RADIOS WITH NO FEAR OF IMPACTS AND WATER, WITH VOICE INDICATION

In addition to having a metal chassis, Midland G15 and Midland G18 are IP67 certified, meaning that they are designed and tested to be dustproof and withstand immersion in water (to a depth of 1 metre for 30 minutes). Simple and quick, they indicate the channel/function selected via a voice alert. In addition to an LCD display, Midland G18 is also equipped with FM radio, Scrambler and Compander functions for excellent sound quality.

**Version:** PMR446  
**Colour:** Black  
**Channels:** 8 + 8 (G15)/8+91 (G18)  
pre-set sub-channels  
50 CTCSS + 105 DCS norm or inverts  
**Tones:**

### EXPORT VERSION 5W

### SPECIFICATIONS

- Aluminium chassis
- IP67 certified
- Output power: ≤500mW ERP
- Channel spacing: 12.5KHz
- Channel scanning
- Voice tune
- Roger Beep, Auto power save
- Monitor, Squelch, Vox
- G18 is also equipped with FM radio, Scrambler and Compander
- Power supply: Li-Ion 1600mAh battery pack

- 2-pin Motorola accessory socket

### PACKS AND CODES

#### Box single pack:

1 radio, desktop charger, wall adapter, rechargeable Li-Ion battery pack (1600 mAh), belt clip

**Midland G15 code C1127**

**Midland G18 code C1145**

### PROGRAMMING SOFTWARE PRG-G15

**code C1131**

Customisation of channels and frequencies.

# ALAN HP446 EXTRA HP450 2A

08

PMR446

91

PREPROGR



WATERPROOF  
IP67 (HP450)



VOX



CALL



SCRAMBLER  
(HP450)



SCAN



DUAL WATCH



ROGER BEEP



BATTERY  
LEVEL



HI/LOW POWER



BATTERY  
PACK



2 PIN



WATERPROOF IP67

## PMR/PMR446 RADIOS FOR PROFESSIONAL USE. FOR THOSE DEMANDING THE BEST

**Version:** HP446E: PMR446  
HP450 2A: dual band PMR/PMR446  
**Colour:** Black  
**Channels:** PMR 446: 8 + 91 preprogr.  
**Tones:** HP446E: 50 CTCSS+104 DCS  
HP450: 38 CTCSS+83 DCS

EXPORT VERSION HP446E: 2W - HP450: 5W

### SPECIFICATIONS

- HP446 Extra: Keypad lock, Auto power save, Low battery indicator, Dual Watch, CALL, SCAN, Monitor, Vox, Roger beep, Hi/low power, Backlit LCD display, Time Out Timer (max. conversation duration), Busy channel lock out (blocks

transmission when the channel is busy), Power supply: 1300mAh Ni-MH battery pack

- HP450 2A: Waterproof: IP67, MIL810, C, D, E, F, Scrambler, Keypad lock, Auto power save, Low battery indicator, Dual Watch, Vox, CALL with 5 different melodies, SCAN, Adjustable monitor, Out of Range, Roger beep, High/low power, Backlit LCD display, Power supply: 2200mAh Li-Ion battery pack
- 2-pin accessory socket for both

### OPTIONAL ACCESSORIES HP450 2A

- RC45 - G1066  
Rapid desktop charger black
- BP4522 - G1068  
Rechargeable battery pack 2200 mAh Li-Ion
- Screw Driver - G911  
Screwdriver for antenna connector

Other accessories: from page 46

### PACKS AND CODES

#### HP446 Extra - Box single pack

Radio, desktop charger, 1300 mAh Ni-MH battery pack, belt clip  
code G815.07

#### HP450 2A - Semi-rigid Eva case

Radio, double desktop quick charger, wall charger, 2200 mAh Li-Ion battery pack, rigid polycarbonate case with clip for 180° rotation  
code G1093.06

### PROGRAMMING SOFTWARE PRG050 code G879

Complete with RS232 cable (HP446 Extra)

#### PRG450 code G1069

Complete with USB cable (HP450 2A)

# TECHNICAL SPECIFICATIONS

MODEL	MIDLAND G5 XT	M24/48/99-S	MIDLAND G7 PRO
Band	PMR446	PMR446	PMR446-LPD (Dual band)
Channels	8 + 16 pre-programmed	8+16(M24)/40(M48)/91(M99) preprog.	8 PMR446/69 LPD
CTCSS e DCS	38 CTCSS	38 CTCSS	38 CTCSS/104 DCS
Vox	3 sensitivity levels + talk back	2 sensitivity levels	6 sensitivity levels
Power supply	3 rechargeable AAA Ni-MH batteries	4 batteries AAA (M24) recharg. battery pack 800mAh	battery pack 800mAh or 1200mAh Li-Ion (opt) o 4 AA rechargeable batteries
Battery life	Up to 35 hours with alkaline batteries	Up to 12 hours	Up to 18 hours with 800 mAh battery pack
Display	Multifunction back-lit LCD	Multifunction back-lit LCD	Multifunction back-lit LCD
Transmission power	500 mW ERP	500 mW ERP	PMR446 500/10mW ERP (high/low) LPD 10mW
Operating temperature	-20° +55°C	-20° +55°C	-20° +55°C
Weight (excluding batteries)	74 g	103 g	123 g
Dimensions (LxAxP)	50x85x25 mm	60x103x25 mm	58x122x34 mm
Connections	Socket for audio accessories, charger	Socket for audio accessories, charger	Socket for audio accessories, charger
Accessory socket type	2 pin	2 pin	2 pin
Compatible wall charger	MW904	MW904	MW904

MODEL	MIDLAND G7XTR	MIDLAND G9 PLUS	MIDLAND ONDA	GB1
Band	PMR446-LPD (Dual band)	PMR446-LPD (Dual band)	Radio microphone wireless 472÷474 MHz	PMR446
Channels	8 PMR446/69 LPD	PMR446+16 progr/69 LPD	100	8 PMR446/91 preprogr.
CTCSS e DCS	38 CTCSS/104 DCS	38 CTCSS, 104 DCS	-	50 CTCSS/104 DCS
Vox	2 sensitivity levels	3 sensitivity levels + talk back	-	-
Power supply	800mAh battery pack or 4 rechargeable AA batteries	4 recharg. batteries AA 1800mAh or 4 alkaline AA batteries (opt)	Li-Ion 3,7V (650mAh) battery pack	-
Battery life	Up to 18 hours with 800 mAh battery pack	23 h with 1800mAh 4 batteries	Up to 8 hours	-
Display	Multifunction back-lit LCD	Multifunction back-lit LCD	Multifunction back-lit LCD	Multifunction back-lit LCD
Transmission power	PMR446 500/10mW ERP (high/low) - LPD 10mW	PMR446 500/10mW ERP (high/low) - LPD 10mW	2mW ERP	≤500mW ERP
Operating temperature	-20° +55°C	-20° +55°C	-10° +45° C	-20° +55°C
Weight (excluding batteries)	123 g	114 g	58 g (without battery)	220 g
Dimensions (LxAxP)	58x122x34 mm	68x120x35mm	42x86x16 mm	100x85x22 mm
Connections	Socket for audio accessories, charger	Socket for audio accessories, charger	Socket for audio accessories, wall charger	-
Accessory socket type	2 pin	2 pin	1 pin – 2,5 mm stereo	-
Compatible wall charger	MW904	MW904	MW905	-



PMR446 equipment operates on frequencies of up to 446 Mhz (8 channels) and have 500mW transmission power. Dual band equipment also operate on the LPD band of up to 433 Mhz (69 channels), with 10 mW transmission power; free use of channels 1 to 20. Both the PMR446 and the Dual band are subject to a general authorisation according to current legislation. Once purchased, two simple bureaucratic procedures must be fulfilled, an annual contribution of 12 euros paid, and a notice sent by recorded delivery to the Regional Inspectorate of the Ministry for Communication.

MODEL	D-200	MIDLAND G10	MIDLAND G11V	
Band	PMR446/DPMR446	PMR446	PMR446	
Channels	8 analog channels 8 digital channels	8+8 pre-programmed	8+8 pre-set sub-channels	
CTCSS e DCS	52 CTCSS, 166 DCS	51 CTCSS, 83 DCS	50 CTCSS, 105 DCS	
Vox	9 sensitivity levels	-	9 sensitivity levels	
Power supply	1800mAh Li-Ion battery pack	1200mAh Li-Ion battery pack	1600mAh Li-Ion battery pack	
Battery life	25h	16h	22 hours with 1600mAh battery pack	
Display	-	-	-	
Transmission power	500mW ERP	500mW ERP	500mW ERP	
Operating temperature	-20° +55°C	-20° +55°C	-20° +55°C	
Weight	230 g (with battery)	192 g (with battery)	209 g (with battery)	
Dimensions (LxAxP)	126x59x40 mm	114x58x33 mm	112x58x34 mm	
Connections	Socket for audio accessories	Socket for audio accessories	Socket for audio accessories	
Accessory socket type	2 pin Kenwood	2 pin Kenwood	2 pin Kenwood	
Compatible wall charger	desktop charger only	desktop charger only	desktop charger only	

MODEL	MIDLAND G15	MIDLAND G18	ALAN HP450 2A	ALAN HP446 EXTRA
Band	PMR446	PMR446	PMR/PMR446	PMR446
Channels	8+8 pre-programmed	8+91 pre-programmed	8 + 91 pre-programmed	8+91 pre-programmed
CTCSS e DCS	51 CTCSS, 83 DCS	50 CTCSS, 105 DCS	38 CTCSS, 83 DCS	50 CTCSS, 104 DCS
Vox	9 sensitivity levels	9 sensitivity levels	2 sensitivity levels	2 sensitivity levels
Power supply	1600mAh Li-Ion battery pack	1600mAh Li-Ion battery pack	2200 mAh battery pack	1300 mAh battery pack
Battery life	22 hours	22 hours	29 hours with battery pack	26 hours with battery pack
Display	-	Multifunction back-lit LCD	Multifunction back-lit LCD	Multifunction back-lit LCD
Transmission power	500mW ERP	500 mW ERP (high/low level)	500 mW ERP (high/low level)	500 mW ERP (high/low level)
Operating temperature	-20° +55°C	-20° +55°C	-20° +55°C	-20° +55°C
Weight (excluding batteries)	192 g	240 g (with battery)	180 gr	207 gr
Dimensions (LxAxP)	100x58x33 mm (excluding antenna)	113x56x38 mm	54x113x35 mm	62x133x40 mm
Connections	Socket for audio accessories, charger	Socket for audio accessories	Socket for audio accessories	Socket for audio accessories
Accessory socket type	2 pin Motorola	2 pin Motorola	2 pin	2 pin
Compatible wall charger	desktop charger only	desktop charger only	desktop charger only	desktop charger only

# MIDLAND M ZERO M ZERO PLUS

AM

M ZERO  
BANDAM  
FMM ZERO PLUS  
BAND

40

CHANNELS



EMERGENCY



POWER 12V



4 PIN



NEW

## MIDLAND'S LATEST ADDITION: EXCEPTIONALLY FUNCTIONAL AND VERSATILE

The next generation of Midland CB radios makes its debut with a brand-new model featuring redesigned electronics, developed with SMD technology, and a new design, with a modern plastic shell that makes it much lighter than traditional CB's with metal chassis.

Midland M Zero and M Zero Plus, state-of-the-art AM and AM-FM CB's 40 channels, compact size, powerful and easy to use. With RF-Gain, Squelch control, and an emergency channel quick select switch.

## SPECIFICATIONS

- Band: AM (M Zero)  
AM-FM (M Zero Plus)
- Channel display, black background with white texts
- UP/DOWN buttons
- Squelch
- CB-PA function and external speaker jack (M Zero)
- Emergency memory channel: to immediately select the emergency channel (set by the user)
- RF Gain: sensitivity control in RX
- Quick Scan
- On/Off keypad beep
- 4-pin microphone connector

EXPORT VERSION: 120CH

## PACKS AND CODES

1 radio, microphone, mounting bracket, fixing screws

**M Zero code C1169**

**M Zero Plus code C1169.01**

# MIDLAND M10

NEW



BAND



DIGITAL  
SQUELCH



NOISE  
BLANKER



USB PORT



2 PIN



4 PIN



## THE CB IS RENEWED AND BECOMES MULTIMEDIA!

Midland presents the Multimedia CBs, completely reviewed in both design and electronics. M10 opens the door to wireless communication: thanks to the new Bluetooth WA accessories (see page 54), connected to the 2 pin socket, you can communicate hands-free. The 2 pin socket also allows using the traditional Midland accessories. The front USB socket makes the M10 a practical power supply, always accessible to recharge electronic devices such as smartphone and tablet.

## SPECIFICATIONS

- Band: Multi (see p. 31)
- LCD display, White Bright Light™
- White Bright Light™ backlight
- AM/FM switch
- Automatic digital squelch
- Selectable audio: internal, from earphones, both
- ANL: automatic noise limiter
- Noise Blanker System
- Emergency channel 9-19
- USB socket for smartphone and tablet recharging
- 2 pin socket for accessories

- External loudspeaker socket
- 4 pin microphone connector

## PACKAGING AND CODES

1 radio, microphone, fixing screws, mounting bracket, power cable with cigarette lighter plug  
**code C1185**

**EXPORT VERSION: 10W AM/FM - 400CH**

# MIDLAND M20

NEW



BAND



DIGITAL  
SQUELCH



NOISE  
BLANKER



USB PORT



2 PIN



6 PIN



## THE BEST PERFORMING MULTIMEDIA CB!

An even larger screen and more functions make M20 the top of the Multimedia CB range.

M20 allows wireless communication thanks to the new Bluetooth WA accessories (see page 54), connected to the 2-pin socket. The 2 pin socket also allows using the traditional Midland accessories. The front USB socket makes the M20 a practical power supply, always accessible to recharge electronic devices such as smartphone and tablet.

## SPECIFICATIONS

- Band: Multi (see p. 31)
- Large LCD display, White Bright Light™
- White Bright Light™ backlight
- AM/FM switch
- Automatic digital squelch, digital S-Meter
- Selectable audio: internal, from earphones, both
- ANL and Noise Blanker System that can be selected and disabled
- 9-19 emergency channel and selectable priority channel
- Microphone with Up/Down and priority channel

- USB socket for smartphone and tablet recharging
- 2 pin socket for accessories
- External loudspeaker socket
- External S-Meter socket
- 6 pin microphone connector

## PACKAGING AND CODES

1 radio, microphone, fixing screws, mounting bracket, power cable  
**code C1186**

**EXPORT VERSION: 10W AM/FM - 400CH**



# ALAN 109



BAND



EMERGENCY



POWER  
12V



4 PIN



## 40 CHANNELS (ONLY FOR POLISH MARKET)

Alan 109 is a compact vehicle CB that works in AM mode. Simple and easy to use, the Alan 109 enables the immediate selection of the Emergency channel 19. The CB/PA control, in PA position, lets the equipment change into a low frequency amplifier (with a supplementary speaker).

## SPECIFICATIONS

- Band: AM (Polish frequencies)
- Display with channel display
- CB/PA control
- S-Meter indicator
- Squelch
- Emergency channel 19
- External speaker socket
- 4-pin microphone connector

## PACKS AND CODES

1 radio, microphone, mounting bracket, fixing screws  
code **C873**

# ALAN 199



BAND



CHANNELS



EMERGENCY



POWER 12V



4 PIN



## THE 40-CHANNEL AM CB, SIMPLE AND PRACTICAL

Alan 199 is a compact vehicle CB that works in AM mode. Simple and easy to use, the Alan 199 enables the selection of output power and can therefore be used in all European countries permitting AM regulations.

## SPECIFICATIONS

- Band: AM
- Display with channel display
- Up/down buttons
- Squelch
- Emergency channel 19
- External speaker socket
- 4-pin microphone connector

## PACKS AND CODES

1 radio, microphone, mounting bracket, fixing screws  
code **C702.02**

# ALAN 100 PLUS B



BAND



CHANNELS



EMERGENCY



POWER 12V



4 PIN



## THE MOST POPULAR 40-CHANNEL AM-FM CB

Alan 100 Plus B is a compact device with essential functions and that is very simple to use. The practical, separate volume and squelch commands help obtain optimal reception, whilst the condenser microphone supplied guarantees excellent audio.

## SPECIFICATIONS

- Band: AM-FM
- Emergency channel 9-19
- Display channels
- Up/down buttons
- Squelch
- Transmission and reception led
- External speaker socket
- 4-pin microphone connector

## PACKS AND CODES

1 radio, microphone, mounting bracket, fixing screws  
code **C442.09**

# MIDLAND 210 DS



BAND



DIGITAL  
SQUELCH



EMERGENCY



POWER 12V



4 PIN



## THE MULTI-BAND WITH DIGITAL SQUELCH

Midland 210 DS is a compact latest generation multi-band CB that is extremely simple to use. Thanks to the innovative "Digital Squelch" function, the squelch is regulated automatically, with no need to adjust the handles.

## SPECIFICATIONS

- Band: Multi (see p. 31)
- 3-digit display
- AM/FM switch
- Digital Automatic squelch
- Emergency channel 9-19
- Compact microphone
- External speaker socket
- 4-pin microphone connector

EXPORT VERSION: 10W AM/FM - 400CH

## PACKS AND CODES

1 radio, microphone, mounting bracket, fixing screws,  
cigarette lighter power lead  
code **C1070**

# ALAN 78 PLUS MULTI B



BAND



SIGNAL



EMERGENCY



POWER 12V



6 PIN



## THE COMPACT, EFFICIENT MULTI-BAND

Alan 78 Plus Multi B is a multi-band CB that stands out for its compact dimensions and ease of use. Any European CB band can be selected, enabling it to be used in all European Community countries.

## SPECIFICATIONS

- Band: Multi (see p. 31)
- Power: 1W/4W depending on the country
- Blue back-lit multifunction display
- "Precision series" microphone with Up/Down/Lock buttons
- Squelch
- External speaker socket
- SCAN function
- 6-pin microphone connector

EXPORT VERSION: 400CH

## PACKS AND CODES

1 radio, microphone, mounting bracket, fixing screws  
code C423.15

# ALAN 48 PLUS MULTI B



BAND



SIGNAL



EMERGENCY



MEMORY



POWER 12V



6 PIN



## THE PRACTICAL AND FUNCTIONAL MULTI-BAND

### SPECIFICATIONS

- Band: Multi (see p. 31)
- Power: 1W/4W depending on the country
- Blue back-lit multifunction display
- "Precision series" microphone with Up/Down/Lock buttons
- Squelch
- RF Gain: sensitivity control in RX

- MIC Gain: microphone amplification
- 4 memory positions
- Emergency channel
- SCAN function
- Dual watch
- External speaker socket
- 6-pin microphone connector

EXPORT VERSION: 400CH

## PACKS AND CODES

1 radio, microphone, mounting bracket, fixing screws  
code C422.15



# MIDLAND 248XL



## THE MULTI-BAND WITH MAXIMUM FUNCTIONS

### SPECIFICATIONS

- Band: Multi (see p. 41)
- ESP2 filter for noise reduction
- Noise Blanker System
- Blue back-lit multifunction display
- Lit buttons
- 5 memory positions
- RF Gain: sensitivity control in RX

- MIC Gain: microphone amplification
- Quick channel selection: Quick Up/Down
- Scan - Dual Watch - Squelch
- Emergency channel
- Compact microphone "Precision Series" with Up/Down/Lock buttons
- External S. Meter socket
- 6-pin microphone connector
- 12V power supply

**EXPORT VERSION: 10W AM/FM - 400CH**

## PACKS AND CODES

1 radio, microphone, fixing screws, mounting bracket and power lead  
**code C892**

## TABLE OF CHANNELS/POWER/BAND FOR MULTI EQUIPMENT

Code	Country	MHz Frequencies
I	Italy 40 CH AM / FM 4 Watt	26.965-27.405
I2	Italy 34 CH AM / FM 4 Watt	26.875-27.265
D3	Germany 80 CH FM 4 Watt / 40 CH AM 1 Watt	26.565-27.405
D4	Germany 80 CH FM 4 Watt / 40 CH AM 4 Watt	26.565-27.405
EU	Europe 40 CH FM 4 Watt / 40 CH AM 1 Watt	26.965-27.405
EC	CEPT 40 CH FM 4 Watt	26.965-27.405
E	Spain 40 CH AM/FM 4 Watt	26.965-27.405
F	France 40 CH FM 4 Watt / 40 CH AM 4 Watt	26.965-27.405
PL	Poland 40 CH AM/FM 4 Watt	26.960-27.400
UK	England 40 CH FM 4 Watt + EC (40 CH FM 4Watt CEPT)	27.60125-27.99125 + 26.965-27.405
UKE	England 40 CH FM 4 Watt (only Alan 121 and Midland 220)	27.60125-27.99125
UKC	40 CH FM 4 Watt CEPT (only Alan 121 and Midland 220)	26.975-27.405
Code	Export Version	MHz Frequencies
RU	Russia 400 CH AM/FM 4 Watt	25.615-30.105
PX	Poland 400 CH AM/FM 4 Watt Polish frequencies	25.610-30.100
SW	Sweden 24 CH FM 4 Watt 31 MHz	30.930-31.570

# ALAN 42 MULTI



BAND



EMERGENCY



DUAL WATCH



SIGNAL



HI/LOW  
POWER



POWER 12V



AA BATTERY



2 PIN



## THE HIGH PERFORMANCE COMPACT CB TRANSCEIVER

### SPECIFICATIONS

- Band: Multi (See specific table, page 31)
- Power: 1W/4W depending on the country
- Emergency channel (EMG)
- Keypad lock (LOCK)
- Battery state indicator
- High-lower power (H-L)
- Display back-lighting button
- AM-FM command selection
- SCAN function, Dualwatch
- Antenna socket: BNC
- Powered by 8 AA batteries or 12V
- 2-pin accessory socket

EXPORT VERSION: 400CH

### PACKS AND CODES

1 radio, wall charger for 8 style battery pack, empty battery pack for 6 styles type alkaline AA, empty battery pack for 8 type AA styles for rechargeable batteries with charging socket, adapter for car use with external SO 239 antenna socket, scratch-resistant case, antenna, belt clip, wrist strap  
**code C480.13**

## OPTIONAL ACCESSORIES



**PB E42 - C602**  
Empty battery pack to charge 8 type AA styles (not included)



**Ant 42 - C611**  
Antenna  
CB Flex B- **C394**  
Flex antenna 53 cm



**R17363**  
Car adapter with  
socket for external  
antenna SO2399



**R17365**  
Wall adapter

Alan 42 is compatible with all 2-pin accessories from the PMR446/Dual band section (except MA46) pages 46-47

# TECHNICAL SPECIFICATIONS

MODEL	M ZERO/M ZERO PLUS	M 10	M 20
Type	M Zero: Vehicle AM CB M Zero Plus: Vehicle AM - FM CB	Vehicle	Vehicle
<b>GENERAL</b>			
Channels/Bands	40 AM/40 AM -40 FM	see multi equipment table*	see multi equipment table*
Frequency range	26.965 - 27.405 MHz	26.565 - 27.99125 MHz	26.565 - 27.99125 MHz
Power supply voltage	12,6 V <sub>cc</sub> ± 10%	12.6 V DC ± 10%	12,6 V <sub>cc</sub> ± 10%
Dimensions (WxHxD)/weight	110 x 45 x 140 mm/665 g	122x35x195 mm/820 g	137x35x210 mm/930 g
Mic. connector	4 pin	4 pin	6 pin
<b>RECEIVER</b>			
Sensitivity for 20dB SINAD	< 1,0µV	<1µV	<1µV
Audio output power	2W max	4W max	4W max
Audio distortion	< 5% @ 1KHz	< 5%@1KHz	< 5%@1KHz
<b>TRANSMITTER</b>			
Output power	4W AM/4W FM	1W/4W AM-FM	1W/4W AM-FM
Modulation	AM: 90% - 2 KHz	AM 90% ±5% / FM 2KHz	AM 90% ±5% / FM 2KHz
Max. current absorbed	1500mA		

MODEL	ALAN 109	ALAN 199	ALAN 100 PLUS B
Type	Vehicle AM CB	Vehicle AM CB	Vehicle AM CB-FM
<b>GENERAL</b>			
Channels/Bands	40 AM	40 AM	40 AM -40 FM
Frequency range	26.960 - 27.400 MHz	26.965 - 27.405 MHz	26.965 - 27.405 MHz
Power supply voltage	12,6 V <sub>cc</sub> ± 10%	12,6 V <sub>cc</sub> ± 10%	12,6 V <sub>cc</sub> ± 10%
Dimensions (WxHxD)/weight	122 x 38 x 165 mm/15 Kg	124 x 38 x 190 mm/1,2 Kg	124 x 38 x 190 mm/1,2 Kg
Mic. connector	4 pin	4 pin	4 pin
<b>RECEIVER</b>			
Sensitivity for 20dB SINAD	0,5+1µV	< 1,0µV	< 1,0µV
Audio output power	3W @ 8Ohm	4W max	4W max
Audio distortion	< 8% @ 1KHz	< 8% @ 1KHz	< 8% @ 1KHz
<b>TRANSMITTER</b>			
Output power	4W AM	1W/4W AM	4W AM-FM
Modulation	90%±5%	AM: 90%	AM: 90%, FM: 2KHz
Max. current absorbed	<2000mA	1100mA	1100mA



MODEL	MIDLAND 210 DS	ALAN 78 PLUS MULTI B	ALAN 48 PLUS MULTI B
Type	Vehicle multi-band CB	Vehicle multi-band CB	Vehicle multi-band CB
<b>GENERAL</b>			
Channels/Bands	see multi equipment table*	see multi equipment table*	see multi equipment table*
Frequency range	26.565 - 27.99125 MHz	26.565 - 27.99125 MHz	26.565 - 27.99125 MHz
Power supply voltage	12,6 V <sub>cc</sub> ± 10%	12,6 V <sub>cc</sub> ± 10%	12,6 V <sub>cc</sub> ± 10%
Dimensions (WxHxD)/weight	124 x 38 x 190 mm/1.2 Kg	180 x 35 x 140 mm/0,850 Kg	180 x 50 x 150 mm/1 Kg
Mic. connector	4 pin	6 pin	6 pin
<b>RECEIVER</b>			
Sensitivity for 20dB SINAD	0.5 µV ÷ 1µV	0.5 µV ÷ 1µV	0,5÷1 µV
Audio output power	4 W max	> 2W @ 8 Ohm	> 3W @ 8 Ohm
Audio distortion	< 8% @ 1 KHz	< 8% @ 1 KHz	< 8% @ 1KHz
<b>TRANSMITTER</b>			
Output power	1W/4W AM-FM	1W/4W AM-FM	1W/4W AM-FM
Modulation	AM: 90% FM: 1.8 KHz +/- 0.2 KHz	AM: 90% FM: 1.8 KHz +/- 0.2 KHz	FM: 1.8 KHz +/- 0.2 KHz AM: 90%
Max. current absorbed	1800mA	1100mA	1100mA

MODEL	MIDLAND 248 XL	ALAN 42 MULTI
Type	Vehicle multi-band CB	Portable multi-band CB
<b>GENERAL</b>		
Channels/Bands	see multi equipment table*	see multi equipment table*
Frequency range	26.565-27.99125 MHz	26.565 MHz - 27.99125 MHz
Power supply voltage	12,6 V <sub>cc</sub> ± 10%	12,6 V <sub>cc</sub> ± 10%
Dimensions (WxHxD)/weight	150x45x175 mm/1 Kg	70 x 140 x 30 mm/220 g (- batt)
Mic. connector	6 pin	2 pin
<b>RECEIVER</b>		
Sensitivity for 20dB SINAD	0,5 µV (AM/FM)	1,0µV (AM), 0,55µV (FM)
Audio output power	> 3W@ 8 Ohm	0.5W@8 Ω
Audio distortion	< 8% @ 1KHz	3%@1KHz
<b>TRANSMITTER</b>		
Output power	1W/4W AM-FM	1W/4W AM-FM
Modulation	FM: 1,8 KHz ± 0,2 KHz - AM: 90%	AM 90% ±5% / FM 2KHz
Max. current absorbed	2500mA	900mA

\* Table of channels/power/band for Multi equipment, see page 31

# MIDLAND CT210 CT410



VOX



BATTERY LEVEL



EMERGENCY



SCAN



TOT



BUSY CHANNEL



HI/LOW POWER



SCRAMBLER



3 COLORS DISPLAY



BATTERY PACK



2 PIN KENWOOD



## AMATEUR RADIOS IN VHF AND UHF

### CT210

**Version:** VHF  
**Colour:** Black with blue insert  
**Frequency:** 144-146MHz  
(Export 136-174MHz)  
**Output power:** 4W VHF

### CT410

**Version:** UHF  
**Colour:** Black with red insert  
**Frequency:** 430-440MHz  
(Export 400-470MHz)  
**Output power:** 4W UHF

## SPECIFICATIONS

- 50 CTCSS tones/105 DCS codes
- 128 channels to store
- Channel spacing: 25KHz/12.5KHz
- 1750 Hz tone for repeaters
- SOS emergency function
- Shift repeater
- Vox and Scan function
- Back-lit display with 3 colours
- Optional viewing on display of channel number, channel number + frequency or only frequency
- TOT (Time out timer) function
- Busy channel lockout (BCLO) function
- Squelch adjustable to 9 levels
- Keypad lock
- Hi/Low power selection
- Frequency setting and keypad channels
- Voice indication of the function selected

VOICE

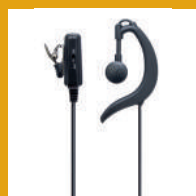
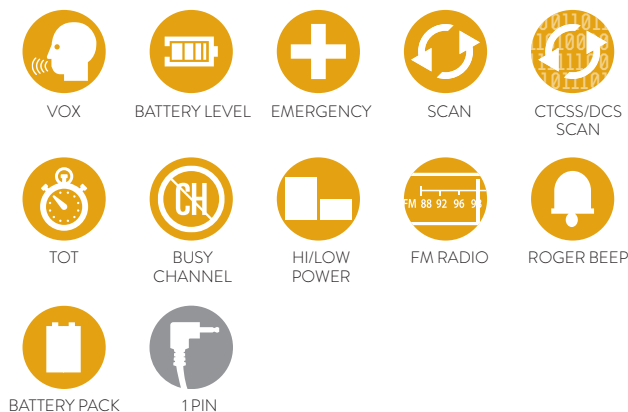
- Inverted frequency function
- Frequency step: 5/6.25/10/12.5/25 kHz
- Frequency offset: 0-69.950 MHz
- Function/channel reset
- Scrambler
- 2-pin Kenwood accessory socket

## PACKS AND CODES

1 radio, 1200mA Li-Ion battery pack, rapid desktop charger, wall adapter, antenna, belt clip  
**Midland CT210 code C841.01**  
**Midland CT410 code C840.01**

VHF/UHF AMATEUR

# MIDLAND CT 510



**R73725**

Microphone with earpiece for CT510 (included in the pack)

## THE SMALL, COMPACT MINI DUAL BAND

**Version:** Dual Band VHF/UHF  
**Colour:** Black with yellow insert  
**Frequency:** 144-146MHz  
 (Export 136-174MHz)  
 430-440MHz  
 (Export 400-470MHz)  
**Output power:** 2W VHF/2W UHF

### SPECIFICATIONS

- 50 CTCSS tones/212 DCS tones
- 128 channels to store
- Channel spacing: 25KHz/12.5KHz
- 1750 Hz tone
- Auto-off function (Apo)
- Compander
- Scrambler
- SOS emergency function

- Operating mode: UHF-UHF, VHF-VHF e VHF-UHF
- Dual band viewing (VHF/UHF) on display and channel name
- FM radio receiver (76÷108 MHz)
- Roger Beep tone at start/end of conversation
- Frequency scan with CTCSS/DCS
- DTMF
- Shift repeater
- Vox and Scan functions
- Back-lit display
- Optional viewing on display of channel number, channel number + frequency or only frequency
- TOT (Time out timer) function
- Busy channel lockout (BCLO) function
- Squelch adjustable to 9 levels
- Keypad lock
- Hi/Low power selection
- Frequency setting and keypad channels
- Voice indication of the function selected VOICE
- Inverted frequency function
- Frequency offset: 0-69.950 MHz

- Frequency step: 5/6.25/10/12.5/25/37.5/50/100 kHz
- Function/channel reset
- 1-pin 2,5mm accessory socket

### PACKS AND CODES

1 radio, 1300mA Li-Ion battery pack, quick desktop charger, microphone with adjustable earpiece and PTT, wall adapter, flex antenna, belt clip  
**code C1065**

### PROGRAMMING SOFTWARE PRG-510

**code C1104**

Complete with USB connection lead for PCs



# MIDLAND CT 710



VOX



BATTERY LEVEL



EMERGENCY



SCAN



CTCSS/DCS  
SCAN



DTMF



TOT



BUSY  
CHANNEL



HI/LOW  
POWER



SCRAMBLER



3 COLORS  
DISPLAY



FM RADIO



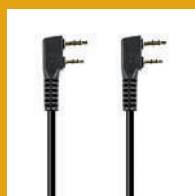
ROGER BEEP



BATTERY  
PACK



2 PIN  
KENWOOD



## R73727

### CLONING CABLE CT 710 - CT 890

Allows you to transfer  
data/settings from one radio  
to another (not included).

## THE SIMPLE, USER-FRIENDLY DUAL BAND FOR SECURE COMMUNICATION

**Version:** Dual Band VHF/UHF  
**Colour:** Black with yellow insert  
**Frequency:** 144-146MHz  
(Export 136-174MHz)  
430-440MHz  
(Export 400-470MHz)

**Output power:** 5W VHF/4W UHF

### SPECIFICATIONS

- 50 CTCSS tones/210 DCS codes
- 128 channels to store
- Channel spacing: 25KHz/12.5KHz
- 1750 Hz tone
- SOS emergency function
- Operating mode: UHF-UHF, VHF-VHF and VHF-UHF

- Dual band viewing (VHF/UHF) on display and channel name
- Scrambler
- Compander
- Back-lit display with 3 colours
- FM radio receiver
- Roger Beep tone at start/end of conversation
- Frequency scan with CTCSS/DCS
- DTMF
- Shift repeater
- Vox and Scan functions
- Optional viewing on display of channel number, channel number + frequency or only frequency
- TOT (Time out timer) function
- Busy channel lockout (BCLO) function
- Squelch adjustable to 9 levels
- Keypad lock
- Hi/Low power selection
- Frequency setting and keypad channels
- Voice indication of the function selected VOICE
- Inverted frequency function
- Frequency step: 5/6.25/10/12.5/25 kHz

- Frequency offset: 0-69.950 MHz
- Function/channel reset
- 2-pin Kenwood accessory socket

### PACKS AND CODES

1 radio, 1600mA Li-Ion battery pack, quick desktop charger, wall adapter, antenna, belt clip  
**code C1049**

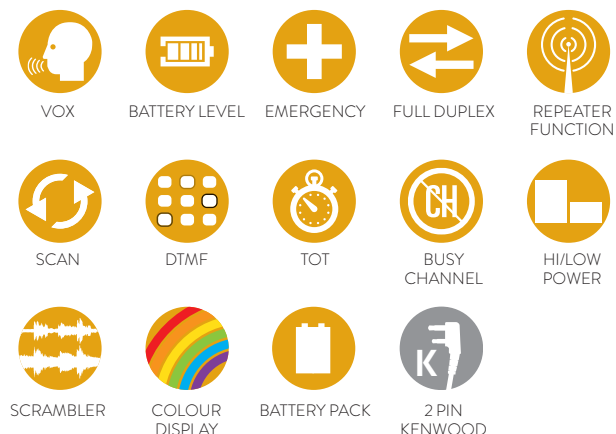
### PROGRAMMING SOFTWARE PRG10

**code C974.01**

Complete with USB connection lead for PCs



# MIDLAND CT 890



NEW



**R73727**  
**CLONING CABLE**  
**CT 710 - CT 890**

Allows you to transfer data/settings from one radio to another (not included).

## MIDLAND'S BEST DUAL BAND, WITH AN UNPARALLELED DISPLAY

**Version:** Dual Band VHF/UHF  
**Colour:** Black  
**Frequency:** 144-146MHz  
(Export 136-174MHz)  
430-440MHz  
(Export 400-470MHz)  
**Output power:** 5W VHF /4W UHF

### SPECIFICATIONS

- 105+105 (I-N) codici DCS/50 CTCSS tones
- 999 channels to store
- Channel spacing: 25KHz/12.5KHz
- SOS emergency function
- Operating mode: UHF-UHF, VHF-VHF and VHF-UHF

- Full duplex, repeater function
- Dual band viewing (VHF/UHF) on display and channel name
- FM 88÷108 MHz radio receiver
- Chronometer
- Built-in torch
- Frequency step: 5/6.25/10/12.5/25 kHz, 50/100 kHz
- Roger Beep tone at start/end of conversation
- Frequency scan with CTCSS/DCS
- DTMF
- Shift repeater
- Vox and Scan functions
- Back-lit display
- Optional displaying of channel number, channel number + frequency or frequency only
- TOT (Time out timer) function
- Busy channel lockout (BCLO) function
- Squelch adjustable to 9 levels
- Keypad lock
- Hi/Low power selection
- Frequency setting and keypad channels

- Voice indication of the selected function VOICE
- Inverted frequency function
- Frequency offset: 0-69.950 MHz
- Function/channel reset
- 2-pin Kenwood accessory socket

### PACKS AND CODES

1 radio, 2600mA Li-Ion battery pack, desktop charger, wall adapter, antenna, belt clip, wrist strap  
**code C1170**

### PROGRAMMING SOFTWARE PRG10

**code C974.01**

Complete with USB connection lead for PCs

# TECHNICAL SPECIFICATIONS

MODEL	CT 210	CT 410	CT 510
GENERAL			
Frequency	144-146MHz	430-440MHz	144-146MHz/ 430-440MHz
Operating temperature	-20° - +55°	-20° - +55°	-20° - +55°
Voltage supply	7.4V	7.4V	3.7V
Operating mode	Simplex or Semi-duplex	Simplex or Semi-duplex	Simplex or Semi-duplex
Size (excluding antenna)	100×58×33mm	100×58×33mm	85×55×28mm
Weight (including batteries)	203g	203g	127g
Antenna impedance	50Ω	50Ω	50Ω
Use cycle	5/5/90	5/5/90	5/5/90
TRANSMITTER			
Frequency stability	±2.5PPM	±2.5PPM	±2.5PPM
Output power	>4W	>4W	2W VHF/UHF
Maximum frequency deviation	5KHz	5KHz	KHz
Audio distortion	≤ 3%	≤ 3%	≤ 3%
RECEIVER			
RF sensitivity	< 0.2μV	< 0.2μV	< 0.3μV
Audio distortion	≤ 3%	≤ 3%	≤ 3%
Audio response	300Hz ÷ 3KHz	300Hz ÷ 3KHz	300Hz ÷ 3KHz

MODEL	CT 710	CT 890
GENERAL		
Frequency	144-146MHz - 430-440MHz	144-146MHz - 430-440MHz
Operating temperature	-20° - +55°	-20° - +55°
Voltage supply	7.4V	7.4V
Operating mode	Simplex or Semi-duplex	Full duplex
Size (excluding antenna)	100×58×33mm	125×61×40mm
Weight (including batteries)	203g	278g
Antenna impedance	50Ω	50Ω
Use cycle	5/5/90	5/5/90
TRANSMITTER		
Frequency stability	±2.5PPM	±2.5PPM
Output power	VHF: 5W UHF: 4W	VHF: 5W UHF: 4W
Maximum frequency deviation	5KHz	5KHz
Audio distortion	≤ 3%	≤ 3%
RECEIVER		
RF sensitivity	< 0.2μV	< 0.2μV
Audio distortion	≤ 3%	≤ 3%
Audio response	300Hz ÷ 3KHz	300Hz ÷ 3KHz



# ALAN HP108/408L/408H



VOX


BATTERY  
LEVEL


SCAN



SCRAMBLER


HI/LOW  
POWER


ROGER BEEP


BATTERY  
PACK


2 PIN



## COMPETITIVELY PRICED PROFESSIONAL PERFORMANCE AND QUALITY

HP108: VHF 136-174 MHz  
HP408L: UHF 400-470 MHz  
HP408H: UHF 465-520 MHz

### SPECIFICATIONS

- Protection IP54
- 180 channels
- Breakdown of channels according to groups
- Customisable switch on message
- Backlit LCD display
- Back-lit keypad
- Standard CTCSS tones and digital DCS

- Selective calling 5 tones, 5+5 tones in the various standard formats
- Signal intensity indicator
- Built-in scrambler with 8 different selectable frequency codes
- Compander
- Transponder function
- Adjustable power: max. 5W programmable at High/Low/Medium
- Battery life: up to 12 hours
- Built-in vox adjustable to 8 different sensitivity levels and 4 different delay levels
- 2-pin accessory socket

### PACKS AND CODES

1 radio, quick desktop battery charger, Li-Ion 1600 mAh rechargeable battery, antenna, belt clip

HP108 G1176.01 VHF 136-174MHz  
HP408L G1177.04 UHF 400-470MHz  
HP408H G1177.01 UHF 465-520 MHz  
(On request)

### PROGRAMMING SOFTWARE PRG08

HP08 serie G1184

complete with USB connection lead for PCs

# ALAN HP106/406/70L



## VERSATILITY AND CUSTOMISATION OF COMMUNICATION STANDARDS

HP106: VHF 146-174 MHz  
HP406: UHF 440-470 MHz  
HP70L: high band 77-88 MHz

### SPECIFICATIONS

- Protection IP54 - MIL STD810 CDEF MIL STD810 CDEF
- 16 channels
- Standard CTCSS tones and digital DCS
- Selective formats 5 tones, 5+2, 5+5, customisable
- Lone worker function (software prog.)
- Built-in frequency inversion scrambler
- Channel/priority channel scanning

- Transponder function
- Adjustable power: 5W (VHF version) programmable high/low; 4W (UHF version) programmable high/low.
- Battery life > 8 hours (with high capacity battery)
- Built-in vox adjustable to 2 levels of sensitivity
- Internal connector for optional digital scrambler cards
- EEPROM flash: maximum flexibility and customisation of software/firmware
- Dead man
- 2-pin accessory socket

### PACKS AND CODES

1 radio, antenna (only HP06), belt clip  
**HP106 G932.04** VHF 146-174MHz  
**HP406 G933.04** UHF 440-470MHz  
**HP70L G1043.02** low band 66-77MHz  
**HP70H G1043.03** high band 77-88MHz  
**ANTENNAS HP70L** (not supplied in pack)  
**HA 68-H G970** Antenna 77-88MHz  
**HA 68-L G1049** Antenna 66-77MHz

# ALAN HM135/70



EMERGENCY



SCAN



SCRAMBLER



HI/LOW POWER



## FOR ADVANCED COMMUNICATION SYSTEMS

HM135: VHF 136-174MHz  
HM435: UHF 403-470MHz  
HM70: 66-88MHz 465-520MHz

### SPECIFICATIONS

- 4 - 25W output power
- MIL STD 810 C,D,E, F and IP54 (front panel only)
- More than 250 channels with usable settings
- CTCSS/DCS
- Programmable channelling

- Graphic LCD display
- 4 function buttons
- Phone book
- Standard and customised selective call
- Scrambler
- Kill/revive
- Remote use front panel
- 4W front speaker
- Standard and priority channel scan
- Talk around - Public Address function
- Flash memory
- PC programmable
- Data transmission (compliant with ETS300-113)
- Standard DB25 accessories connector

## PACKS AND CODES

1 radio, power lead and support bracket  
HM135 code G934 VHF 136-174MHz  
HM70 code G1101 66-88MHz 465-520MHz (export)

## PROGRAMMING SOFTWARE PRG35

for HM06, HM35 e HM70 G968  
complete with USB connection lead for PCs

## PROFESSIONAL ACCESSORIES



RC05  
C663.02

Black quick desktop charger compatible with: HP06



MK06/35  
G1004

Standard palm microphone compatible with: all Alan HM

RC08  
G1191

Quick desktop charger compatible with: HP08



MK35-K  
G1003.01

Microphone with keypad compatible with: Alan HM35/70



BP0518  
G811.03

1800 mAh Ni/Mh rechargeable battery for HP06-HP70



AU25E  
T681.01

External speaker max. 5W compatible with: Alan HM35/70/06

BP08  
G1192

1600 mAh Li-Ion rechargeable battery for HP08



G1016

Remote control kit including 5 m extension lead with connectors, brackets, screws.  
Compatible with: Alan HM35, HM70



# ALAN HM106



EMERGENCY



SCAN



HI/LOW POWER



## VHF. REASONABLY PRICED PROFESSIONAL PERFORMANCE

### SPECIFICATIONS

- Output power 4 - 25W
- MIL STD 810 C,D,E, F and IP54 (front panel only)
- 99 channels
- CTCSS/DCS
- Programmable channelling
- 2-digit LED display
- 4 function buttons

- Selective calling
- 4W front speaker
- Standard and priority channel scan
- Talk around
- Public Address function
- Flash memory
- PC programmable

### PACKS AND CODES

1 radio, standard microphone, power lead and support bracket  
code **G997** VHF 136-174MHz

### PROGRAMMING SOFTWARE PRG35

for HM06, HM35 e HM70 **G968**  
complete with USB connection lead for PCs

# ALAN RPT 35S QUICK SETUP



### BASE STATION/REPEATER

The RPT 35S has been designed to provide extensive coverage for organisations requiring repeaters that are excellent value for money.  
RPT 35S is supplied with a built-in power supply and 6-cell duplexer contained in 19-inch 3U racks.  
RPT 35S is also fitted with a standard DB25 connector for link connections with other repeaters.

**FOR TECHNICAL INFORMATION:**  
TEL 0522509411 INFO@CTE.IT

### SPECIFICATIONS

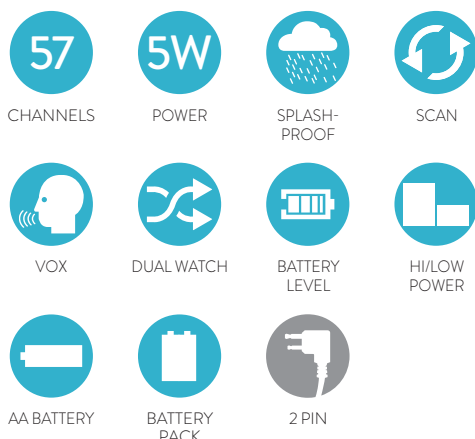
- Output power programmable from 4 to 25 W
- Power supply/buffer battery charger 220 V AC 13.8 V DC (battery not included)
- 32 channels (8 can be switched locally)
- CTCSS Enc-dec, DCS
- Automatic no network and flat battery warning (prog.)
- Automatic switch-off with low battery level (prog.)
- Removable front panel
- Kill/revive (via selective radio control)
- 6-cell duplexer included

### PACKS AND CODES

1 repeater, power lead and duplexer leads-connection  
**RPT 135S VHF G1134 135-174MHz**  
(duplexer H band 152-175MHz)  
**RPT435S UHF G1135 405-470MHz**

### PROGRAMMING SOFTWARE PRG RPT code G1080

complete with USB connection lead for PCs

MIDLAND  
PACIFICPROGRAMMING SOFTWARE  
PRG-PACIFIC

code G1124

Complete with USB lead for PCs

PRACTICAL AND  
HARD-WEARING  
FOR IMMEDIATE  
COMMUNICATION

Midland Pacific is a portable marine VHF transceiver that combines hard-wearing reliability with decidedly professional technical specifications. Functions are all within easy reach, including the button granting immediate access to emergency channel 16. The antenna is removable and thanks to the standard SMA

connector, other types of antenna can also be used.

## SPECIFICATIONS

- Splashproof
- Transmission power: 5W
- High/low power selection (5W/1W)
- 57 international channels/20 user programmable channels (via software)
- Removable antenna - SMA connector
- Large backlit LCD display
- Immediate access to the

emergency channel 16

- VOX, SCAN and Dual Watch function
- Keypad lock, automatic squelch
- Roger beep (end of call tone)
- Flat battery indicator and automatic battery saver
- Power supply: NiMH battery pack (or 4 AA batteries optional)
- 2-pin accessory socket
- Compatible wall charger: MW905

## PACKS AND CODES

1 radio, desktop charger, wall charger, rechargeable 800mAh battery pack, 12V cigarette lighter charger, desktop/wall mount and belt clip

code G1094



## GENERAL

Channels	57 international
TX frequency coverage	from 156.025 to 157.425 MHz
RX frequency coverage	from 156.300 to 162.000 MHz
Power supply	Battery pack/4 AA batteries opz
Operating temperature	from -15°C to +55°C
Removable antenna/length	Yes - SMA connector/250 mm
Size (LxAxP)	62x122x35 mm
Weight (transceiver only)	137 g

Accessory socket type	2 pin
Programmable	Via software (PRG-PACIFIC)
Water protection grade	-

## TRANSMITTER

Output power	5 Watt (1W/5W)
--------------	----------------

## RECEIVER

Sensitivity to 20dB Sinad	0,35 µV
Audio output power	500mW @ 10% THD
Audio distortion	<10%



**MIDLAND<sup>®</sup>**  
PUT YOURSELF IN ACTION

RADIO  
**ACCESSORIES**



# MICROPHONES HEADPHONES



## MICROPHONES/EARPHONES WITH L-SHAPED 2-PIN ACCESSORY SOCKET



**MA 21-L**  
**C709.03**

Microphone with adjustable earpiece and PTT, with curly cord



**MA 24-L**  
**C517.02**

Speak/listen microphone with VOX/PTT



**MA 26 - L**  
**C515.01**

Speaker microphone with volume control and earpiece socket



**MA 28 - L**  
**C559.03**

Speak/listen microphone  
NB: MA28-G5 except Alan421-G5XT



**MA 30 - L**  
**C648.03**

Microphone with adjustable arm



**MA 31 - L**  
**C732.03**

Microphone with pneumatic earpiece



**MA 35 - L**  
**C652.02**

Headphone with microphone



**MA-NC2**  
**C983.01**

Neck collar fabric with integrated headset and PTT (compatible with Midland G5XT, G6, G6XT, G7 serie, G8, G9)



## MICROPHONES/EARPHONES WITH STRAIGHT 2-PIN ACCESSORY SOCKET



**AE30**  
**C851**

Microphone with arm



**MA31**  
**C732**

Microphone with pneumatic earpiece



**AE38  
C823**

Throat microphone with earphone, PTT and finger PTT



**MICROPHONES/EARPHONES WITH 1-PIN ACCESSORY SOCKET**



**MA 21-SX  
C709.02**

Microphone with adjustable earpiece and PTT, with curly cord



**MA31SX  
C732.02**

Microphone with pneumatic earpiece  
(EXCEPT ALAN421)



**MA28-G5  
C559.01**

Speak/listen microphone  
NB: MA28-G5 except Alan421-G5XT



**MA-NC1  
C983**

Neck collar fabric with integrated headset and PTT



**MICROPHONES/EARPHONES WITH 2-PIN KENWOOD ACCESSORY SOCKET**



**MA 21-LK  
C709.04**

Microphone with adjustable earpiece and PTT, with curly cord.  
L-shaped 2-pin accessory socket



**MA 21-K  
C843**

Microphone with adjustable earpiece and PTT.  
straight 2-pin accessory socket



**MA22-K  
C844**

Handheld speaker microphone with PTT.  
straight 2-pin accessory socket



**MA26-LK  
C515.04**

Speaker microphone with volume control and earpiece socket.  
L-shaped 2-pin accessory socket



**MA31-LK  
C732.04**

Microphone with pneumatic earpiece.  
L-shaped 2-pin accessory socket



## MICROPHONES/EARPHONES WITH L-SHAPED 2-PIN

## ACCESSORY SOCKET

**NEW**



**MA 25-M  
C1129**

Waterproof speaker microphone,  
compatible with Midland G15/G18

**NEW**



**MA 27-M  
C1130**

Microphone with PTT, compatible with  
Midland G15/G18

**NEW**



**MA 31-M  
C732.06**

Microphone with pneumatic earpiece,  
compatible with Midland G15/G18



## MOTORCYCLE RIDER KIT



**MA46  
C660**

Audio kit with microphone compatible with 2-pin radios (except Alan 42 Multi).

MA46 is a speaker microphone kit that can be self installed into your helmet and then plugged into a transceiver to give you bike to bike communication. It comes with a remote Press to Talk button which can be fitted to the handlebars using the velcro strip provided allowing the rider to transmit via the radio unit. If you wish an intercom facility with your pillion then you can use the Midland G8 with the BHS 300 adaptor together with a CHS300 or OHS500 headset. NB Rider to Pillion intercom is always in full duplex mode whilst Bike to Bike comms are simplex via the PTT button.



## HI-FI STEREO HEADPHONES

Subzero: a Hi-Fi stereo headset with waterproof fabric on the outside and warm faux fur lining, integrated into a cosy adjustable ear warmer system to be worn on the back of the neck. Answer your phone calls and listen to music with great sound quality. Also available in the summer version, SubzeroSun, with breathable fabric on the outside and fresh cotton on the inside. Included in the package: cable with microphone and Command/Answer function for mobile phones or Play/Pause for music (iPod, iPhone, MP3 and the best mobile phones), cable with microphone and PTT for connection to 2-Pin Midland transceivers.



### WINTER SUBZERO

Colours available for the winter:

<b>Black</b>	<b>C936.03</b>
<b>White</b>	<b>C936.05</b>
<b>Pink</b>	<b>C936.06</b>

**Camouflage**

<b>Yellow</b>	<b>C936.07</b>
<b>Black leather</b>	<b>C936.13</b>
<b>Black pierced fabric</b>	<b>C936.19</b>

**C936.07**

**C936.08**

**C936.13**

**C936.19**



### SUBZERO SUN FOR THE SUMMER SEASON

Colours available in a pierced fabric:

<b>Black</b>	<b>C936.17</b>
<b>Orange</b>	<b>C936.18</b>





## CB MICROPHONES 4-PIN "48" CONNECTOR



### MIDLAND F48 C1022

Microphone with echo.  
For Alan 48, Alan 68S,  
Midland 8001-XT



### MIKE MIDLAND T059

Omni directional dynamic microphone.  
Impedance 500 Ohm, for Alan 48,  
Alan 68S, Midland 8001-XT



### MDL4190 C074.02

Omni directional dynamic microphone.  
Impedance 500 Ohm, for Alan 48,  
Alan 68S, Midland 8001-XT



### MDL-NC C1155

Omni directional dynamic microphone.  
**Noise-cancelling  
broadband microphone capsule.**  
Impedance 460 Ohm, for Alan 48,  
Alan 68S, Midland 8001-XT

**NEW**

**NEW MICROPHONE  
CAPSULE**



## CB MICROPHONES 4-PIN CONNECTOR



### C1138 (EX R51504)

Original microphone Alan 100 Plus B/  
Midland 203. For Alan 100 Plus B,  
Midland 203, Alan 199, Midland 210 DS



## CB MICROPHONES 5-PIN CONNECTOR



### C1094 (EX R17332)

Original microphone Alan 100  
Plus/199-A. For Alan 100 Plus, Alan  
100 Plus Euro e Alan 199-A



### MIDLAND F100 C1021

Microphone with echo.  
For Alan 100 Plus B, Midland 200,  
Midland 203

## MICROPHONE-HOLDERS



### PM3 T431

Microphone-holder with screw fastening and bi-adhesive



### PMF T570

Microphone-holder with screw fastening and bi-adhesive,  
fluorescent



## CB MICROPHONES 6-PIN CONNECTOR



### MIDLAND F MULTI C1023

Microphone with echo for CB Multi  
Standard radios



### MR120 C404.01

Electret microphone with UP/DOWN  
buttons, for series Plus Multi, Excel,  
Midland 248, 248 XL, 278, Alan 121 and  
Midland 220 (no channel change)



### MIKE MULTI C714

"Precision series" microphone with  
Up/down buttons, Lock button, for  
series Plus Multi, Excel, Midland 248,  
248 XL, 278, Alan 121 and Midland 220  
(no channel change).



### MIKE SE (SPECIAL EDITION) C870.01

"Old style" microphone with metal  
mesh. For Alan 48, Alan 68S



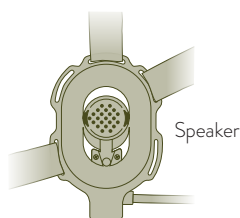
#### **EARPIECE ACCESSORIES DEVOTED TO SOFTGUNNERS**

Action Line accessories stand out for their hard-wearing design, technical specifications, practicality and quality of materials. The Action Line is not compatible with Vox functions.

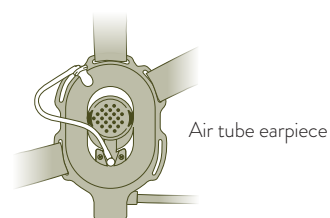




## MILITARY HEADPHONES WITH 2-PIN ACCESSORY SOCKET



Speaker



Air tube earpiece

### TO LISTEN WITHOUT BEING HEARD

Military headset with detachable boom microphone (can be worn on the right or left), tactical PTT and dual sound system (traditional speaker or air tube earpiece ).

**BOW-M EVO**  
**C1046.02**  
2-Pin Midland

**BOW-M EVO K**  
**C1046.03**  
2-Pin Kenwood



## MICROPHONES/HEADPHONES/PTT WITH 2-PIN ACCESSORY SOCKET



**AB29**  
**C1149**

Neckband headset microphone, including boom microphone, speaker and PTT. Comfortable to wear even with a softair helmet  
2-Pin Midland



**ABM TACTICAL**  
**C855.01**

Earpiece microphone with adjustable arm and tactical PTT  
2-Pin Midland



**ABM**  
**C856**

Earpiece microphone with adjustable arm and standard PTT  
2-Pin Midland



**A21M**  
**C858**

Earpiece microphone with standard PTT  
2-Pin Midland



## PTT WITH 2-PIN MIDLAND/KENWOOD SOCKET



## EARPIECE WITH 1-PIN ACCESSORY SOCKET



**PTT+CLIP MIDLAND**  
**FOR BOW-M**  
**C1088**  
2-Pin Midland

**PTT+CLIP MIDLAND**  
**FOR BOW-M**  
**C1088.01**  
2-Pin Kenwood



**EP21**  
**C859**

Earpiece 3,5mm jack socket  
(not compatible with Midland 777).

**LISTENING ONLY**



**THE ONLY VERSIONS TESTED AND APPROVED FOR SIMUNITION, SOFT AIR, PAINTBALL AND UTM TRAINING. CUSTOMISABLE, THEY GUARANTEE AN EXTREMELY HIGH LEVEL OF PROTECTION.**

## ANTI-FOG LENSES

The special lenses have been designed and treated for an anti-fog effect, guaranteeing perfect visibility even in the hardest actions.

The lenses comply with and exceed ANSI and ASTM Paintball standards for impact resistance, luminosity and optical clarity.

## AND...

The only model with a removable RWI that can be washed and interchanged (only applicable to certain models).

No more blisters or stones entering through the holes and striking the face, lips, teeth or nose.

Its profile enables better visibility from the rifle, with respect to any other model available on the market today. Guarantees "World Class" level protection, it was voted as the world's most comfortable mask by the US "JUNGLE magazine".

**Mask weight: only 380 g.**

## SO MANY GRAPHICS, INCLUDING CUSTOM OPTIONS

The only mask with dedicated graphics that are very accurate and customisable with adhesives or using special brushes or airbrushing techniques (Marks a Lott series).

## DOPE SERIES

### SPECIFICATIONS:

- Polycarbonate thermal pane clear lens with AF/AS/UV coating
- Material: tough, durable high impact plastic; interior: standard foam (not replaceable)
- Adjustable strap with sure grip technology
- Forehead protector and visor included
- Awesome custom SP exclusive graphic design

**VOODOO MAGIC  
C1058.05**



**DIABLO  
C1058.06**



**GHOST STALKER  
C1058.07**



## OU812 SERIES

### SPECIFICATIONS:

- Material: specially formulated high impact plastic; interior: plush replaceable, washable and interchangeable foam.
- Adjustable strap with sure grip technology
- Visor and cloth stuff sack included

**FLESH PHACE  
C1058.09**



**CARNAGE  
C1058.10**



**LAZARUS  
C1058.11**





## SO PHAT SERIES

### SPECIFICATIONS:

- Polycarbonate lens with AF/AS/UV coating
- Material: specially formulated high impact plastic; interior: soft plush replaceable, washable and interchangeable foam
- Adjustable strap with sure grip technology
- Included: visor, forehead protector, cloth stuff sack, 1 clear lens and 1 additional replacement
- Colored lens

WAR LORD  
C1058.15



BOO  
C1058.17



DIGI  
C1058.18



## DISS SERIES

### SPECIFICATIONS:

- Polycarbonate thermal pane clear lens with AF/AS/UV coating
- Material: high impact special formulated plastic; interior: "plush" foam (not replaceable)
- Adjustable strap with sure grip technology
- Forehead protector and visor included

JUNGLE JUSTICE  
C1058



INTIMIDATOR  
C1058.02



PHANTOM  
C1058.03



SCAR PHACE  
C1058.04



## MARKS A LOT SERIES

### SPECIFICATIONS:

- PC single pane clear lens with AF/AS/UV coating
- Material: high impact plastic; interior: sweat absorbent, replaceable, washable and interchangeable foam
- Comes in one color-bone; can be air brushed or painted
- Forehead protector and nice stuff bag included

SHARPIE  
C1058.13



ASSASSIN  
C1058.14



## OPTIONAL/REPLACEABLE ACCESSORIES

Clear thermal lens  
C1059



Dark smoked thermal lens  
C1059.01



Yellow thermal lens  
C1059.02



Mirrored yellow lens  
C1059.04



RWI  
(Replaceable/Washable/  
Interchangeable) foam  
C1060

Spare elastic  
C1073



# BLUETOOTH

## MIDLAND "WA" - WIRELESS ACCESSORIES

Midland's new "WA" range of Wireless Accessories can be used with any Midland wireless transceiver (fitted with a 2-pin socket). All devices come with a rechargeable lithium battery, with a USB cable for charging.

The WA range includes:

### Bluetooth adapter WA-DONGLE

for 2-pin radios, including Kenwood

Plug the WA-Dongle into your transceiver and choose from various headsets of the WA range to suit your needs.

### Bluetooth headsets WA21/WA31/WA29

Each headset features a small PTT button.

WA headsets can be used with all mobile phones with Bluetooth function.

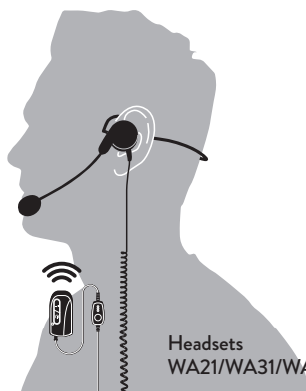
### Wireless PTT WA-PTT

Combined with a WA-Dongle, it allows you to transmit hands free without having to use the PTT button on the headsets.

2-pin transceiver  
+ WA-DONGLE

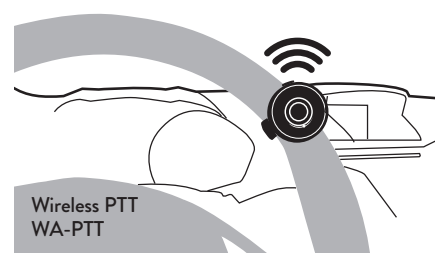


+



Headsets  
WA21/WA31/WA29

+



Wireless PTT  
WA-PTT

## ADAPTERS AND WIRELESS HEADSETS

NEW



### WA-DONGLE C1199

Bluetooth adapter for Midland 2-pin radio

NEW



### WA-DONGLE K C1199.01

Bluetooth adapter for Kenwood 2-pin radio

NEW



### WA-PTT C1200

Remote PTT for WA-DONGLE

NEW



### WA21 C1201

Bluetooth headset microphone with PTT for WA-DONGLE

NEW



### WA31 C1202

Bluetooth microphone with air tube earpiece and PTT for WA-DONGLE

NEW



### WA29 C1203

Bluetooth headset microphone with neckband and PTT for WA-DONGLE

# POWER

## DESKTOP CHARGERS



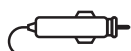
	<b>R71969</b> <b>R73579</b>	Dual desktop charger	For Midland 777 and Onda
CA-ATL/G7	<b>C785</b>	Dual desktop charger	For G7 XTR line
CA-CT200/400	<b>C849</b>	Quick desktop charger	For Midland G14, CT210/410/710
RC05	<b>C663.02</b>	Quick desktop charger	For Alan HP446 extrà
R45	<b>G1066</b>	Quick desktop charger	For Alan HP450 2A
CA-CT 790	<b>R72767</b>	Quick desktop charger with wall charger	For CT 790
	<b>R73642</b>	Desktop charger	For CT 510

## WALL CHARGERS



MW905	<b>C887</b>	Wall charger	For Midland/Alan 777, Onda, Midland G12, G5 R1, Pacific
MW904	<b>C689</b>	Wall charger	For G9/G9 Plus, G7XT/Pro, G6XT, G5XT, G8, M24-48-99
	<b>R73643</b>	Wall charger	For CT 510

## CIGARETTE LIGHTERS



AL777	<b>C803</b>	Cigarette lighter power lead	For Midland/Alan 777 line, Midland G5 R1, G12, Pacific
ALG7	<b>C814</b>	Cigarette lighter power lead	For Midland G9 line, G8, G7, G6, G5XT

## BATTERIES



PB-PRO	<b>C1148</b>	1200mAh Li-Ion rechargeable battery	For Midland G7 Pro
PB-AA890	<b>C1212</b>	Empty battery pack to charge 5 type AA styles (not included)	For Midland CT890
PB G6/G8	<b>C881</b>	800mAh Ni-MH rechargeable battery	For Midland G8, G6, M24/48/99-S
PB-ATL/G7	<b>C784</b>	800mAh Ni-MH rechargeable battery	For Midland G7, G9, Pacific
PB-777	<b>C783</b>	3,7V - 650mAh Li-Ion rechargeable battery	For Midland/Alan 777 line and Onda
PB-G10	<b>C1126</b>	1600mAh Li-Ion rechargeable battery	For Midland G10
PB-G11	<b>C967</b>	1600mAh Li-Ion rechargeable battery	For Midland G11
PB-G15/18	<b>C1128</b>	1600mAh Li-Ion rechargeable battery	For Midland G15/G18
BP 0518	<b>G811.03</b>	1800mAh Ni-MH rechargeable battery	For Alan HP446 Extrà
BP 4522	<b>G1068</b>	2200mAh Li-Ion rechargeable battery	For HP450 2A
PB200/400	<b>C846</b>	7,4Vcc - 1200mA Li-Ion rechargeable battery	For Midland G14, CT200/400/210/410/710
	<b>R73645</b>	1300mAh Li-Ion rechargeable battery	For CT 510
PB710	<b>C1050</b>	7,4Vcc-1600mA Li-Ion rechargeable battery	For CT 210/410/710
PB CT 790	<b>C931</b>	1700mAh Li-Ion rechargeable battery	For CT 790
PB CT 890	<b>C1172</b>	2600mA Li-Ion rechargeable battery	For CT 890

## EMERGENCY CHARGER



### EMERGENCY CHARGER C920

The Midland Emergency Charger is a portable charger for any electrical equipment fitted with a mini-USB socket and, thanks to the adapter cables supplied in the pack, also fits a great many different mobile telephone models. Simply insert an AA battery into the charger and connect the mini-USB lead to the devices to be recharged! Its compact design and the various different leads enable the user to carry it with him at all times for use on any occasion. For maximum performance, we recommend using a lithium battery, although it also works with alkaline AA battery.

The pack contains: a portable Midland Emergency Charger, 4 charging cables (extra-long USB lead, mini version Nokia charging lead, standard Nokia charging lead, Motorola charging lead).

## USB/LIGHTER RECHARGE



**NEW**

### MP-2USB C1195 73700

Dual USB DIN 12V adaptor (hooking handlebar). Input: DC 12V; Output: DC 5V/2A



**NEW**

### MP-ADAPTER C1194

Din adapter 12v (BMW) with cigarette lighter socket



**NEW**

### MP-H 2USB C1193

Power supply kit with DIN adapter (BMW) for handlebar with dual USB port - Output: 5V/2A



**NEW**

### MP-H SOCKET C1196

Cigarette lighter socket for handlebar with waterproof protection, cable 150cm and 10a fuse (hooking handlebar)



**NEW**

### MP-W ADAPTER C1197

12V cigarette lighter/Din adapter (BMW)

## ADAPTERS/CABLES



### C651

To ensure the compatibility of all equipment with 1-pin - 3,5mm stereo equipment with 2-pin accessories. For Alan 507

### C829

To ensure the compatibility of all equipment with 1-pin - 2,5mm stereo equipment with 2-pin accessories. For Midland G5/777



### C827

Adapter to recharge battery pack only (without radio)  
For G7, G7 XT, G7XTR



### T060 (FOR CB)

3-pole lead with fuse-holder.  
Length: 160 cm.  
For Alan 48, Alan 68S



### R73644

USB cable for CT 510



### CLONING CABLE CT 710 - CT 890 R73727

Allows you to transfer data/settings from one radio to another (not included).



# BRACKETS DASHBOARD



## SPM-48 DIN C791

DIN bracket for Alan 48 Plus Multi B/Excel Multi, Midland 248/248XL



## SU 29 T452

Practical sliding mount for the removal of your transceivers.  
Compatible with all vehicle CBs

## SPM-78 DIN C792

DIN bracket for Alan 78 Plus Multi B, Midland 278



## SA 48 T769

Complete with 1 bracket, 2 slides, 2 handles, 2 screws for Alan 48, 68S

## SPM-100 DIN C807

DIN bracket for Alan 100 Plus, 100 Plus Euro, Alan 100 Plus B, 199-A, Midland 203



## G1020.01

Dashboard kit white New Neptune

# CAR/MOTORCYCLE MOUNTS CASE

## CAR/MOTORCYCLE MOUNTS



## TWO WAY RADIO CAR KIT C982

Car kit for handheld transceivers  
Pack contains: handheld microphone, dashboard microphone holder, car charger, adapter for the simultaneous use of the microphone and charger, belt clip with screw mount, suction pad mount for cars  
Compatible with: Midland G7 line, G8 and G9 (2-pin connector)



## KIT 161

Kit for fastening to motorcycle handlebar  
Compatible with: Midland G7 line, G8 and G9

## CASE



## CS 200/400 C 845

Leather case for CT200-400, CT210-410

# RADIO ANTENNAS



## G7 FLEX C646.01

Antenna with adapter  
Length: 35 cm  
For Midland G7 line,  
G8, G9, G14, G11,  
G15, G18



## R72770

Length: 9 cm  
For Midland G11, G14,  
G15, G18



## R73197

Length: 16 cm  
For Midland G11, G14,  
G15



## ANT200 C847

Antenna for CT200



## ANT210 C847.01

Antenna for CT210

## ANT410 C848.01

Antenna for CT410

## ANT710 C1051 R73310

Antenna for CT510,  
CT710, CT890

## ANT790 R72659

Antenna for CT790

# SPEAKERS



## AU 20 T775

External speaker 5W max



## EH 800 P348

External speaker 10W max

ALSO  
SUITABLE FOR  
OUTDOOR  
USE



## AU 25 T681 AU25E T681.01

External speaker 5W max.  
Recommended for VHF professional  
mobile transceivers Alan HM35/70/06

## MIDLAND 70-2355T C733

External speaker 2W max  
Recommended for marine VHF mobile  
transceivers such as Neptune 100,  
New Neptune

ALSO  
SUITABLE FOR  
OUTDOOR  
USE



## AU 30 T682

External speaker 12W max



SPECIFICATIONS	AU 20	AU 25	AU 30	EH 800	MIDLAND 70-2355T
Impedance	8 Ohm	8 Ohm	8 Ohm	8 Ohm	3.2 Ohm
Rated power	2 W	3 W	7 W	-	2 W
Maximum power	5 W	5 W	12 W	10 W	20W
Size in mm	65x55x65	100x60x60	110x140x60	90x85x110	123x123x62

# VOLTAGE REDUCERS



**RDT 16/S  
C787**

Switching technology  
AUTOMOTIVE approval no.:  
10R-026171



**RDT 10/A  
C589**

AUTOMOTIVE approval no.:  
E3 021049



**RDT 20/S  
C788**

Switching technology  
AUTOMOTIVE approval no.:  
10R-026172



**RDT 14/A  
C531**

AUTOMOTIVE approval no.:  
E3 021050



**RDT 30/R  
T674**

AUTOMOTIVE approval no.: E3 021051

SPECIFICATIONS	RDT 11/S	RDT 16/S	RDT 20/S	RDT 10/A	RDT 14/A	RDT 30/R
Switching technology	Yes	Yes	Yes	No	No	No
Input voltage	20-30 V <sub>cc</sub>	20-30 V <sub>cc</sub>	20-30 V <sub>cc</sub>	24-28 V <sub>cc</sub>	24-28 V <sub>cc</sub>	24-28 V <sub>cc</sub>
Output voltage	13,5 +/- 0,5V <sub>cc</sub>	13,5 +/- 0,5V <sub>cc</sub>	13,5 +/- 0,5V <sub>cc</sub>	13,8 V <sub>cc</sub>	13,8 V <sub>cc</sub>	13,8 V <sub>cc</sub>
Dimensions (HxWxD)	35x75x160	35x105x170	40x115x200	64x120x112	64x120x112	40x102x300
Weight	387 g	554 g	782 g	670 g	580 g	1200 g
Output specifications						
Continuous	8 A	12 A	18 A	6 A	6 A	10 A
6/3'	-	-	-	10 A/-	8 A/-	15 A/20 A
Max peak	10 A/15 min	16 A/ 15 min	20 A/15 min	10 A	10 A	30 A

## HF AMPLIFIER



**HF747  
C882**

HF power amplifier AM-FM-SSB-CW  
(for amateur use only)

### SPECIFICATIONS

Frequency	HF
Power supply	12-14 V <sub>cc</sub>
Current absorbed	8/10 A
Input power	0,5/10 W
Output power	100 W max
Mode	AM-FM-SSB-CW
Fuse	2 x 12 A
Size/Weight	109 x 210 x 35 mm/ 605 g

# SWR METER WATTMETER



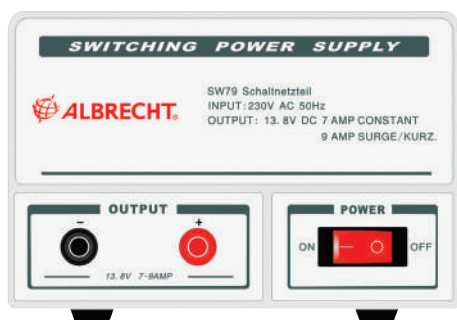
## KW 505 C1165

KW 505 is a 2-function measurement instrument that operates on 1.5 - 150 MHz frequency range to constantly monitor any antenna.  
Power reading on two levels: 0-10W and 0-100W.

### SPECIFICATIONS

RF power	10W - 100W
R.O.S.	1:1 / ∞
Impedance	52 Ohm
Frequency range	1.5 - 150 MHz
Size in mm	135x60x70 mm
Weight	280 g
Connector	SO239

# POWER SUPPLIES



SW35  
code 47500  
SW79  
code 47520

SW57  
code 47510  
SW102  
code 47530

The new power supplies protected from short-circuit that can be used for radio applications and in electronics laboratories.

SPECIFICATIONS	SW35	SW57
Input voltage	220-230Vca-50Hz	220-230Vca-50Hz
Output voltage	13,8Vcc	13,8Vcc
Rated output current	Max 3-5A	Max 5-7A

SPECIFICATIONS	SW79	SW102
Input voltage	220-230Vca-50Hz	220-230Vca-50Hz
Output voltage	13,8Vcc	13,8Vcc
Rated output current	Max 7-9A	10-12A

# MARINE ANTENNA

## AZZURRA 40 T454

### CB nautical antenna

Suitable for all types of boats, particularly those in fibreglass. Can be used on camper vans.



SPECIFICATIONS	AZZURRA 40
Operating frequency (MHz)	27
Number of channels	40
Maximum applicable power (W)	50
R.O.S.min.in centre band	1:1,1
Gain	3 dB
Length (cm)	160
Impedance (Ohm)	50
Weight (g)	1000
Style material	Fiber
Antenna connection type	without PL
Lead (m)	4



# CAR AND TRUCK ANTENNAS



NEW

MP150  
C1160



NEW

MP CHARLIE  
C1162



X-TURBO  
CAMFOR 27  
C863



X-TURBO MINI  
C864



X-TURBO 60  
C871



X-TURBO 80  
C872



ALAN PC 4  
T739



ALAN PC 6  
T736



ALAN PC 8  
T701



ALAN S9 PLUS  
T638



FUNK 90  
T638.04



FUNK 130  
T638.05

# CAR AND TRUCK ANTENNAS



FUNK 150  
T638.06



ML 145  
T562.01



PICCO 70C  
T638.12



PICCO 70S  
T638.13



MINI  
C593



SUFORMINI  
C592

## MAGNETIC BASES



BM MP120-CHARLIE  
MAG C1182

Developed for the new antennas MP120 and MP CHARLIE M, it is designed to withstand high speeds. Equipped with scratch-resistant magnet-covering cap. Supplied with universal DV 27 base, already installed.



BM ML143  
C1183

Developed for the new ML 143 antenna, it is designed to withstand high speed. Equipped with scratch-resistant magnet-covering cap. Supplied with PL mount (already installed).



BM 120 DV  
T057

BM 120 DV is designed to withstand high speeds. Equipped with scratch-resistant magnet-covering cap. Supplied with universal DV 27 base, already installed.



BM 120 PL  
T036

Designed to withstand high speeds. Equipped with scratch-resistant magnet-covering cap. Supplied with attachment for PL, already installed.



BMU 140  
C889

Suitable for PL, DV and roof centre attachment. Designed to withstand high speeds. Equipped with scratch-resistant magnet-covering cap.

# MAGNETIC CB ANTENNAS



NEW

**KIT 210**  
MP120+BASE M  
Antenna only:  
MP120 **C1161**



NEW

**KIT 211**  
MP CHARLIE M + BASE M  
Antenna only:  
MP CHARLIE M **C1163**



NEW

**KIT 212**  
ML143 + BASE M  
Antenna only:  
ML143 **C1164**



**KIT 007**  
ML145 + BM 120 PL  
High power antenna with magnetic base  
Ø 120 mm.



**MIDLAND 18-244M**  
**T788**  
Small antenna complete with lead  
and connector.



**LC29**  
**C1018**



**LC59**  
**C1019**



**LC65**  
**C1020**

# VHF/UHF CAR/TRUCK ANTENNAS



# VHF/UHF PORTABLE ANTENNAS





# CB BASE ANTENNAS



**ENERGY NEW 1/2 T241.02  
CB BASE ANTENNA**

**EQUIPPED WITH A SYSTEM TO PROTECT AGAINST WATER LEAKS**

Energy New 1/2 and Energy New 5/8 are telescopic base antennas, ground plane at 1/2 - 5/8 lambda, operating on 27MHz, built in anti-corrosion aluminium. All elements are telescopic and facilitate installation.



**ENERGY NEW 5/8 T242.02  
CB BASE ANTENNA**



**SKYLAB T233  
CB BASE ANTENNA**

The Skylab base is built from a single block to ensure maximum mechanical robustness and the best possible seal of connections. The 3 upper radials decrease static electricity loads on the antenna. **With anti-whistle cage**



**X30 C614 - X50 C615 - F22 C619  
VHF/UHF BASE ANTENNAS**

**DCG:** Antennas short-circuited to earth to protect your equipment from electrostatic charge in the event of a storm  
**HQJ:** Built with high quality, hard-wearing joints

# ANTENNAS SPECIFICATIONS

## CAR AND TRUCKS CB ANTENNAS

	MP 150	MP CHARLIE	X-TURBO CAMPER	27 X-TURBO MINI	X-TURBO 60	X-TURBO 80
Operating frequency	26-28 MHz	26-28 MHz	26-28 MHz	26-28 MHz	26-28 MHz	26-28 MHz
Number of channels	120	120	120	60	200	200
Maximum applicable power	300 W	400 W	50 W	10 W	800 W (max 1500)	1000 W (max 1700)
R.O.S. min. in centre band	<1.2	<1.2	<1.2	<1.4	<1.2	<1.2
Length (cm)	167	68	114	31	160	180
Impedance (Ohm)	50	50	50	50	50	50
Weight (g)	200	190	430	260	670	690
Style material	Stainless steel	Stainless steel	Fibreglass	Steel	Steel	Steel
Antenna connection type	3 pieces	3 pieces -	PL 259	-	3 pieces	3 pieces
Hole diameter (mm)	12,5	12,5	16	10	10	10
Lead (m)	4	4	-	4	4	4

	ALAN PC 4/6/8	ALAN S9 PLUS	FUNK 90/130/150	ML 145	PICCO 70C/70S	MINI	SUPERMINI
Operating frequency	25-30 MHz	25-30 MHz	26-28 MHz	26-28 MHz	26-28 MHz	26÷28 MHz	26÷28 MHz
Number of channels	150/240/130	200	-	90	-	40	40
Maximum applicable power	400/600/800 W	300 W	200/250/300 W	400 W	100 W	80 W	30 W
R.O.S. min. in centre band	<1.2	<1.2	<1.2	<1.2	<1.2	1.2:1	1.2:1
Length (cm)	115/160/163	155	90/130/150	146	70	680	330
Impedance (Ohm)	50	50	50	50	50	50	50
Weight (g)	450	390	160/190/200	350	180	210	130
Style material	Steel	Steel	Steel	Steel	Steel	Stainless steel	Fibre
Antenna connection type	3 pieces	DV	DV	PL	DV	3 pieces	3 pieces
Hole diameter (mm)	10	12,5	10	16	10	12,5	10
Lead (m)	4	4	4/4/4	-	4	4 with PL259	4 with PL259

## MAGNETIC BASES

	BM MP120-Charlie Mag	BM ML143	BM 120 DV	BM 120 PL	BM 140 PL-B	BMU 140
Operating frequency	26-460 MHz	26-460 MHz	26-460 MHz	26-460 MHz	26-460 MHz	26-460 MHz
Max. speed	80/130 Km/h	80/130 Km/h	80/130 Km/h	80/130 Km/h	130/180 Km/h	130/180 Km/h
Base diameter	Ø: 120 mm	Ø: 120 mm	Ø: 120 mm	120 mm	140 mm	140 mm
Weight	830 gr	940 gr	750 gr	700 gr	1.450 gr	1.450 gr
Lead	4m	4m	3m	3m	3m	-

## MAGNETIC CB ANTENNAS

	KIT210	KIT211	KIT212	KIT 007	X-TURBO MINI MAG
Operating frequency	26-28 MHz	26-28 MHz	26-28 MHz	26-28 MHz	26-28 MHz
Number of channels	120	120	120	90	60
Maximum applicable power	300 W pep	420 W pep	300 W pep	400 W pep	10 W
R.O.S. min. in centre band	<1.2	<1.2	<1.2	<1.2	<1.4
Length (cm)	137	70	170	146	31
Impedance (Ohm)	50	50	50	50	50
Weight (Kg)	1,4	1,3	1,5	1,6	0,5
Style material	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Steel
Attachment	Magn. base 120mm with PL	Magn. base 120mm with PL	Magn. base 120mm with PL	Magn. base 120mm with PL	Ø 65 mm
Lead (m)	4	4	4	2,9	4,5 with PL 259

	MIDLAND 18-244M	MINISTAR 27	LC29	LC59	LC65
Operating frequency	26.965-27.405 MHz	26-28 MHz	26-28 MHz	26-28 MHz	26.965-27.405 MHz
Number of channels	40	40	40	40	40
Maximum applicable power	100 W	10 W	10/30 W (peak)	30/150 W (peak)	60/300 W (peak)
R.O.S. min. in centre band	1:1,2	1:1,2	≤1.2:1	≤1.2:1	≤1.2:1
Length (cm)	66	35	29	65	115
Impedance (Ohm)	50	50	50	50	50

N.B.: Midland cannot advise on the gain of its antenna models, as this cannot be unambiguously defined. It varies according to various types of factors, such as installation position, length, system calibration, environmental conditions, etc.

Weight (Kg)	0,5	0,3	0,4	0,6	1
Style material	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Attachment	Magn. base Ø 90 mm	Magn. base Ø 29 mm	Magn. base 68 mm with PL	Magn. base 78 mm with PL	Magn. base 120mm with PL
Lead (m)	2,75	3	4	4	4

## VHF/UHF CAR AND TRUCK ANTENNAS

	NW-2000	NR-770R	NR-770S	AZ-504	M-285	M150-GSA
Operating frequency	144/430 MHz	144/430 MHz	144/430 MHz	144/430 MHz	138-174 MHz	138-174 MHz
Type	1/2λ(144 MHz) 2x5/8λ(430 MHz)	1/23λ(144 MHz) 2x5/8λ(430 MHz)	1/4λ(144 MHz) 1/2λ(430 MHz)	1/4λ(144 MHz) 1/2λ(430 MHz)	5/8λ	1/4λ
Power	200 W	200 W	100 W	50 W	200 W	200 W
Length(cm)	98	98	43	46	100	51
Connector type	PL	PL	PL	PL	PL	PL

	VH 1	VH 2
Operating frequency	140:175MHz	140:175MHz
Max. power applicable	100W	100W
R.O.S. min. in centre band	1:1,2	1:1,2
Length (cm)	51	134
Impedance	50 Ohm	50 Ohm
Weight	300 g	450 g
Style material	Steel	Fibre
Connector type	PL259 (not supplied)	PL259 (not supplied)
Hole diameter	12 mm	12 mm
Lead	4m	4 m

## VHF/UHF PORTABLE ANTENNAS

	RH-707 FLEX	RH-701	RH-771	RH-775	CH-32	SRH-536
Operating frequency	TX: 144/430 MHz	TX: 144/430 MHz	TX: 144/430 MHz	TX: 144/430 MHz	TX: 144/430/900MHz	TX: 144/430 MHz
Type	1/4λ	1/4λ	1/4λ(144MHz) 1/2λ(430MHz)	1/4λ (144 MHz) 1/2λ (430 MHz)	1/4λ (144/430/900 MHz)	1/4λ (144 MHz) 1/2λ (430 MHz)
Band	120-150/300-450 MHz - 800-900 Mhz RX only	120-150/300-450 MHz - 800-900 Mhz RX only	120-150/300-450 MHz - 800-900 Mhz RX only	120-150/300-450 MHz - 800-900 Mhz RX only		300/800 MHz 900 MHz RX only
Length (cm)	21	21	40	14-41	4,5	37
Connector type	BNC	BNC	BNC	BNC	BNC	SMA

	RH-777	RH-779	RH-519	RH-536	SRH-701
Operating frequency	TX: 144/430 MHz	TX: 144/430 MHz	TX: 144/430 MHz	TX: 144/430 MHz	TX: 144/430 MHz
Type	1/4λ	1/4λ - (144 MHz) 1/2λ - (430 MHz)	1/4λ- 2m/70cm	1/4λ - (144 MHz) 1/2λ - (430 MHz)	1/4λ
Band	120-150/300-450 MHz 800-900 Mhz RX only	120-150/300-450 MHz 800-900 Mhz RX only	120-150/300-450 MHz 800-900 MHz RX only	120-150/300-450 MHz 800-900 MHz RX only	120-150/300-450 MHz 800-900 Mhz RX only
Length (cm)	40	14-41	20	36	21
Connector type	BNC	BNC	BNC	BNC	SMA

## BASE CB ANTENNAS - BASE VHF/UHF ANTENNAS

	ENERGY NEW 1/2	ENERGY NEW 5/8	SKYLAB	X30	X50	F22
Operating frequency	25-29 MHz	25-29 MHz	26-28 MHz	144-430 MHz	144-430 MHz	144 MHz
Maximum applicable power	500 W PEP	500 W PEP	1000 W	150 W	200 W	200 W
Impedance	50 Ohm	50 Ohm	50 Ohm	50 Ohm	50 Ohm	50 Ohm
Band R.O.S.	1:2:1	1:2:1	1:5:1	1:5:1	1:5:1	1:5:1
Length	5750 mm	6500 mm	5500 mm	1300 mm	1700 mm	3200 mm
Weight	21Kg	2,5 Kg	2,3 Kg	0.8 Kg	0.9 Kg	1,3 Kg
Ø support pole	30-40 mm	30-40 mm	30-35 mm	30-35 mm	30-35 mm	30-35 mm
Connector	SO 239	SO 239	SO239	SO239	SO239	SO239
Styles	Aluminium	Aluminium	Aluminium	Fibreglass/steel	Fibreglass/steel	Fibreglass/steel

# ANTENNAS ACCESSORIES



## GR-L C1047

Stainless steel mount. Size: 38x64x99mm



## DOWNPIPE 27 T054

Gutter mount. Enables the Gutter mount installation of any mobile antenna without piercing the bodywork. The special rubber suction pad guarantees perfect adherence to the vehicle roof



## RG58 T633 R73895

3-piece lead for roof centre attachment.  
Lead type: RG58 - Length: 4m  
**R73895 for PC antennas**



## GR-XL C1048

Stainless steel mount. Size: 38x100x180mm



## SP-S INOX T752

Gutter mount. In stainless steel for vehicle antennas, with adjustable inclination and fixing hole reducer



## CENTRE ROOF MOUNT T301

Centre-roof mount for US antennas Lead type: RG58 - Length: 3,5 m



## GR PLUS T786

Gutter mount. Enables the Gutter mount installation of any mobile antenna without piercing the bodywork



## SP 21 T390

Mirror mount. Enables the installation of any mobile antenna on the rear view mirror, avoiding unsightly holes in the bodywork



## R 45/58-U T194

Connection lead for CB transceivers. Lead type: RG58 - Length: 45 cm



## GR-F INOX T751

Gutter mount. In stainless steel for vehicle antennas, with fixing hole reducer



## DV 27 PL T599

Roof centre adapter DV/ SO239



## R 90/58-U T193

Connection lead for CB transceivers. Lead type: RG58 - Length: 90 cm



## GR-S INOX T753

Gutter mount. In stainless steel with double inclination for vehicle antennas, with fixing hole reducer



SC 27 **T441** SPECIFIC SCREW (1)  
LC 27/10-N **T370.01** CONNECTOR (2)  
FC 27 **T478** BASE FOR ANTENNAS (3)

Screws, connector for FC 27 and base for Midland antennas



## PL259/R T292.02



## UG 255 F076

Connector for BNC/SO239



## RG 58/AUX T197

Impedance: 50 Ohm



## PL 259/RL T377



## RG 58/U T199



## RG 58/H G326

Low loss, Impedance: 50 Ohm



## SA 95 T211

SO239 connection RCA plug



## RG 58/I T199.03



## RG 213 T571

Impedance: 50 Ohm



## PL 259 T205

Connector for RG8/RG213 cable



## RG 58/U BIANCO T200



## 213 U T571.01





**MIDLAND**<sup>®</sup>  
PUT YOURSELF IN ACTION



INTERCOMS

# NEXT GENERATION FEATURES\*



## EXTRAORDINARILY SIMPLE AND SAFE

The multiconnection wireless multimedia systems designed for motorbike communication, simple and safe. All Midland Intercoms, are installed on the helmet and paired via Bluetooth to two phones, to the MP3, to the GPS navigator or other devices.

### TALK 2 ALL UNIVERSAL INTERCOM FUNCTION

Matching to any intercom of any brand.

### HANDLEBAR REMOTE CONTROL

With BT Remote you do not have to remove your hands from the handlebar, the Bluetooth remote ensures safety and comfort (suitable even for BT City)

### VOX - VOICE ACTIVATION

Vox for Voice activation of the Intercom function and answer calls without taking your hands off the handlebar.

### APP CONFIGURATION

Configure your device using the dedicated Android App and update the software from the "support" section on [www.midlandeurope.com](http://www.midlandeurope.com)



# EXTRAORDINARY INTERCOM

\* The features listed in this page are valid for all BTX models (BTNext Conference, BTX2 FM, BTX1 FM)

# MIDLAND BT NEXT CONFERENCE



CONFERENCE  
4 PEOPLE



INTERCOM  
ONE TO ONE  
6 PEOPLE



INTERCOM  
UP TO 1600 M\*



UNIVERSAL  
INTERCOM



FM RADIO



2 CELL  
CONNECTION



BT SET-APP  
ANDROID



WATERPROOF  
IPX4



FOLDING  
ANTENNA

## INTERCOM CONFERENCE UP TO 4 PEOPLE, "ONE TO ONE" UP TO 6 PEOPLE

### INTERCOM CONFERENCE

Choose between Intercom Conference (simultaneous communication for up to 4 people, BT Next Conference) or classic Intercom for up to 6 people in one-to-one communication.

Intercoms communicate in Full Duplex mode with digital quality, without noise or interference even at high speeds.

### INTERCOM UP TO 1,6 KM\*

The BT Next Conference range is up to 1.6 km.

### TALK 2 ALL UNIVERSAL INTERCOM FUNCTION

Matching to any intercom of any brand.

### FM RADIO WITH RDS, 6 PRESETS

BT Next Conference has built-in FM radio. In addition to the RDS function, it allows the storage of 6 radio stations. Stereo, of course!

### PACKS AND CODES

Wired and boom microphone, installation system for all kind of helmets on a slide and tape and an adhesive slide, audio kit with ultra-thin speakers, mp3 cable and wall charger.

**Single pack C1141**  
**Twin pack C1141.01**





EXTRAORDINARY  
SIMPLE

# MIDLAND BTX2 FM



INTERCOM  
4 PEOPLE



INTERCOM  
UP TO 800 M\*



UNIVERSAL  
INTERCOM



FM RADIO



2 CELL  
CONNECTION



BT SET-APP  
ANDROID



WATERPROOF  
IPX4



FOLDING  
ANTENNA

## INTERCOM UP TO 4 PEOPLE, FM RADIO WITH RDS, 6 PRESETS

### INTERCOM FUNCTION UP TO 4 PEOPLE

It allows one-to-one communication between 4 people in Full Duplex mode, with digital quality, without noise or interference even at high speeds.

### UP TO 800 METERS\*

The range of BTX2 FM is up to 800m.

### TALK 2 ALL UNIVERSAL INTERCOM FUNCTION

Like all Next Generation devices, BTX2 FM matches with any Intercom of any brand.

### PACKS AND CODES

Wired and boom microphone, installation system for all kind of helmets on a slide and tape and an adhesive slide, audio kit with ultra-thin speakers, mp3 cable and wall charger.

Single pack C1143

Twin pack C1143.01

\* In an open field and with no interference and/or obstacles

# MIDLAND BTX1 FM



INTERCOM  
2 PEOPLE



INTERCOM  
UP TO 10 M



UNIVERSAL  
INTERCOM



FM RADIO



2 CELL  
CONNECTION



BT SET-APP  
ANDROID



WATERPROOF  
IPX4



## FM RADIO WITH RDS, 6 PRESETS INTERCOM FUNCTION

### INTERCOM FUNCTION UP TO 2 PEOPLE

It allows communication between 2 people in Full Duplex mode with digital quality, without noise or interference even at high speeds.

### UP TO 10 METERS RIDER-PASSENGER

The range of BTX1 FM is 10m, created for Rider and Passenger conversations

### TALK 2 ALL UNIVERSAL INTERCOM FUNCTION

Like all Next Generation devices, BTX1 FM matches with any Intercom of any brand.

### PACKS AND CODES

Wired and boom microphone, installation system for all kind of helmets on a slide and tape and an adhesive slide, audio kit with ultra-thin speakers, wall charger.

Single pack C1142  
Twin pack C1142.01



# MIDLAND BT CITY



INTERCOM  
2 PEOPLE



INTERCOM  
UP TO 200 M\*\*



UNIVERSAL  
INTERCOM\*



2 CELL  
CONNECTION\*



BT SET-APP  
ANDROID\*



WATERPROOF



KIT FOR  
SKI HELMET



KIT FOR SPORT  
WITH/WITHOUT  
HELMET

\* These functions can be activated by updating the firmware on the website [www.midlandeurope.com](http://www.midlandeurope.com)



## BORN FOR THE CITY AND THE SCOOTER, IT TURNS TO BE USED ANYWHERE

### INTERCOM 2 PEOPLE, UP TO 200 METERS\*

It allows communications up to 2 people in Full Duplex. The range of BT City is 200m\*\*.

### SWITCH FROM THE MOTORCYCLE TO THE BIKE, ON THE SKI SLOPES AND CLIMBING ...

Choose the kit that turns your motorbike Intercom into an Intercom for skiers, climbers, bikers, etc.

BT ACTION KIT C1030  
BT SKI AUDIO KIT C932  
BT SKI UNIVERSAL KIT R73715

### PACKS AND CODES

Wired and boom microphone, installation system for all kind of helmets on a slide and tape and an adhesive slide, audio kit with ultra-thin speakers, mp3 cable and wall charger

Single pack C929  
Twin pack C929.01

\*\* In an open field and with no interference and/or obstacles



EXTRAORDINARY  
VERSATILE





# MIDLAND BT REMOTE



EASY TO USE



EASY INSTALLATION



WATERPROOF  
IPX4

EXTRAORDINARY  
SIMPLE



## INTERCOM BT REMOTE CONTROL

Midland BT Remote is an accessory designed to ensure safety and comfort on motorbikes. It is simple and easy to use: a concentrate of technology, safety and functionality.

### WATERPROOF

Water resistant (IPX4 Certified).

### SUITABLE FOR ALL HANDLEBARS

It can be installed on all motorcycle handlebars; it allows you to activate and control Midland BT device functions via 5 large finger-friendly buttons, without taking your hands off the handlebar (compatible with Next Generation intercoms).

### PACK AND CODES

1 device, USB cable, rubber adapters for different handlebars.  
Single pack C1032

# MIDLAND BTSKI ACTION



SUMMER



WATERPROOF



INTERCOM  
200 M



STEREO



CELL/MP3  
CONNECTION



SPEAK IN A  
GROUP WITH  
PMR446



IPOD/MP3/  
PMR446 WIRED  
CONNECTION



WINTER

## SPORTS-FRIENDLY BLUETOOTH EARPHONES

### WINTER INTERCOM, SUMMER INTERCOM

The smallest, most practical Bluetooth stereo device for skiers and snowboarders and/or for outdoor winter and summer sports, including biking, climbing, paragliding, etc. Talk to another BT Ski Action in Intercom mode via voice activation.

Easy to use with all mobile phones with built-in Bluetooth in the range of 200m, to listen to music and answer calls.

Compatible with iPod/MP3 players and with PMR446 transceivers, for communication with more than one person/group.

### DUAL USE: FOR TEACHING

An extremely useful instrument for ski instructors, for both individual and group lessons (combined with PMR446 transceivers).

### KITS FOR WEARING BT SKI ACTION WITH AND WITHOUT A HELMET

Thanks to the fixing kits provided in the package, BT Ski Action can be fastened to the helmet with the practical Velcro band, or worn thanks to the collar clamp.

### PACKS AND CODES

Device, wired audio kit with 2 stereo speakers and armband microphone for winter helmet wiring, Velcro band, bi-adhesive clamp, rotating collar clamp, single earpiece for summer use with/without helmet, stereo audio lead to connect an iPod or MP3 player, USB lead.

**Single pack C928.10**

**Twin pack C928.11**

\* In an open field and with no interference and/or obstacles

INTERCOM SPORT

# INTERCOM & MOTO ACCESSORIES

## AUDIO KIT



BTX LINE

BT NEXT AUDIO KIT

**C1008.01**

Standard stereo audio kit complete with speakers and 2 microphones (wire/armband). For BT Next, BTX2, BTX1 and BT City.



BT2, BT1  
BT SINGLE

BT2 AUDIO KIT

**R13083**

High performance Hi-Fi speakers.

## KIT PER BT CITY



SKIING  
WITH/  
WITHOUT  
HELMET

BT SKI AUDIO KIT

**C932**

Stereo headphones (earwarmer type) with microphone and velcro strap for fastening to the helmet. It enables the BT City to be used on the ski slopes



SKIING  
WITH  
HELMET

BT SKI UNIVERSAL KIT

**R73715**

Universal kit consisting of stereo speaker and built-in arm-mounted microphone, velcro strap and bi-adhesive clamp for fastening to the helmet. It enables to use BT City with any ski helmet.



SPORT  
WITH/  
WITHOUT  
HELMET

BT ACTION KIT

**C1030**

Kit for installation on bicycle, climbing helmets etc. or to use BT City without a helmet. The kit includes rotating clamp, velcro strap and mono adjustable headset.

## MOUNTING KIT



BTX LINE

BT NEXT MOUNTING  
KIT

**C1009**

Twin helmet mounting kit with screw clamp and bi-adhesive bases. For BT Next, BTX2, BTX1



BTX LINE

**R73470**

Single base with bi-adhesive. For BT Next, BTX2, BTX1.





BT2 BT1  
BT SINGLE

BT2 MOUNTING KIT

**R73641**

Helmet mounting kit with bi-adhesive base.

## EXTERNAL MIKE CLAMP



BT  
INTERCOM  
BT RIDER

CLAMP BT XL DUAL  
FIX

**C836.01**

Midland BT/Scala Rider Cardo audio kit helmet fixture (20 cm long) with biadhesive. For BT Intercom, BT Rider.

## TRAVEL CHARGERS



BT LINE

AL 12 V

**C894**

12V travel charger for BT line

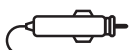
BT REMOTE

BTREMOTE AL12V

**C1043**

12V travel charger for BT Remote

## CHARGERS



BT LINE

MW BT

**R13720**

Double BT line USB wall charger.

See page 56

ALL

EMERGENCY  
CHARGER

**C920**

In the event of a flat battery, the emergency charger enables the various BT line models, Midland Action video cameras, devices with MiniUSB sockets and many different mobile telephone models to be recharged using the provided adapter cables.

## USB/LIGHTER RECHARGE



MP-2USB

**73700  
C1195**

Dual USB DIN 12V adaptor (hooking handlebar).  
Input: DC 12V; Output: DC 5V/2A



MP-ADAPTER

**C1194**

Din adapter 12v (BMW) with cigarette lighter socket



MP-H 2USB

**C1193**

Power supply kit with DIN adapter (BMW) for handlebar with dual USB port  
-Output: 5V/2A



MP-H SOCKET

**C1196**

Cigarette lighter socket for handlebar with waterproof protection, cable 150cm and 10A fuse (hooking handlebar)



MP-W ADAPTER

**C1197**

12V cigarette lighter/Din adapter (BMW)

## RADIO MOUNTING SYSTEM FOR MOTORBIKE AND CAR

See page 57

G8E-BT, G7,  
G9

**KIT 161**

Kit for fastening to motorcycle handlebar, composed of clip and adjustable strap

See page 57

G8E-BT, G7,  
G9

TWO WAY RADIO  
CAR KIT

**C982**

Car kit with suction pad mount, 12V charger. Conversations can take place in Vox mode or with the shoulder microphone included in the pack.

## KIT FOR COMMUNICATION BIKE-TO-BIKE WITH RADIO

See page 48

FOR 2-PIN  
RADIO

MA46

**C660**

Microphone/speaker to be combined to a 2-pin transceiver for bike-to-bike communication. Equipped with a handlebar PTT button to connect the passenger use the Midland G8 and the passenger kit 132.

# EXTRAORDINARY PROTECTION



## THE BEST HOLDERS TO FIX SMARTPHONES AND GPS TO THE HANDLEBAR

Midland has a new line of holders conceived to fix the electronic devices used during motorbike trips to the handlebars and protect them against weather, water, dust and mud.



### FASTENING/QUICK RELEASE 360° UNIVERSAL ROTATING FITTING

Each package includes two 360° rotating fittings for non-tubular and tubular handlebars.



### UNIVERSAL STRAP FOR SCOOTERS

Available as an optional accessory strap for non-tubular handlebars, with fastening/quick release and 360° swivel.



### THE PACK OF CASES CONTAIN:

waterproof case, 1 hook for tubular handlebars, 1 hook for non-tubular handlebar, thickness for a perfect housing and safety strap from the handlebar.

## CASES FOR SMARTPHONES



### MK-HC IPHONE6 C1216

Motorcycle mount system for iPhone6 hard case.  
Devices can be charged via a convenient cable guide.  
Internal dimensions: 67x138,5x6,9 mm

**NEW**



### MK-IPHONE 5 C1103

Motorcycle mount system for iPhone 5/5S/5C soft case.  
Internal dimensions: 125x62x18 mm



### MK-HC IPHONE6 PLUS C1217

Motorcycle mount system for iPhone6 Plus hard case.  
Devices can be charged via a convenient cable guide.  
Internal dimensions: 77,8x158,1x7,1 mm

**NEW**



### MK-IPHONE 4 C1102

Motorcycle mount system for iPhone 4 soft case.  
Internal dimensions: 115x65x18 mm



### MK-SMART HC C1125

Motorcycle mount system for iPhone 4, iPhone 5/5S/5C, Samsung Galaxy S3/S4/S5 hard case.  
Internal dimensions: 120x64x15 mm



### MK-SMARTPHONE C1100

Motorcycle mount system for Smartphone soft case.  
Internal dimensions: 122x70x18 mm

## CASES FOR GPS



### MK-GPS 60 C1099

Motorcycle mounting system for gps6" soft case.  
Internal dimensions: 170x104x40 mm



### MK-GPS 50 C1098

Motorcycle mounting system for gps5" soft case.  
Internal dimensions: 148x100x52 mm



**MK-GPS43  
C1097**

Motorcycle mounting system for gps4,3" soft case.  
Internal dimensions: 135x85x45 mm



**MK-GPS 35  
C1096**

Motorcycle mounting system for gps3,5" soft case.  
Internal dimensions: 115x80x50 mm



**UNIVERSAL STRAP FOR SCOOTER  
C1134**

for non-tubular handlebars, with fastening/quick release and 360° swivel, length 50cm.

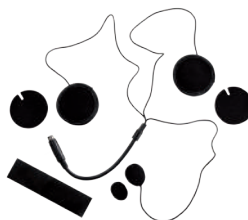
## RADIOS IN MOTO

### TRANSCEIVER - INTERCOM CONNECTION



**SHS300  
C852**

Stereo headphones for full-face and jet helmets with adapter 3.5 mm/2.5 mm (MP3-iPhone)



**CHS300  
C802**

Microphone/speaker for full-face helmet



**OHS500  
C800**

Microphone/speaker with external armband



**BHS300N - 41940  
BHS300U - 41939 (BT)  
BHS300K - 41942 (KENWOOD)**

Adapter cable for 2-pin radio with PTT (non compatible with Midland G9 Plus and G7 Pro)



**EXT300  
C853**

2m spiral extension cable (for speaker mike)



**BT 312  
C905**

Adapter lead for BT Intercom/radio connection to be used with a BHS300U, BHS300K or BHS301.

### KIT FOR TRANSCEIVER - INTERCOM CONNECTION



**KIT 165**

Adapter cable with PTT BHS300U + Adapter lead for BT Intercom/radio connection BT312

FOR BT NEXT, BTX2, BTX1, BT CITY

compatible with 2-pin radios (Midland G6, G6XT, G7 serie, G8, G9 - not compatible with Midland G9 Plus and G7 Pro)



**MIDLAND<sup>®</sup>**  
PUT YOURSELF IN ACTION



AUTOMOTIVE

# STREET GUARDIAN CAR CAMCORDER



BLACK BOX



CYCLE  
RECORDING



WIDE ANGLE  
140°



MOTION  
DETECTION



WITH GPS  
(STREET  
GUARDIAN GPS)



CD SOFTWARE



1920x1080P (30fps)  
1280x720P (60fps)



12 Mp



REAL SIZE



NEW

## A WITNESS ALWAYS AT YOUR SIDE

### RECORD EVERYTHING THAT HAPPENS WHILE YOU DRIVE

Street Guardian is a car camera with full HD resolution designed and built to be another "eye" in your car, which automatically records everything that happens while you drive. This can be highly useful in the event of an accident to prove who was involved and who was to blame. Once connected to the car battery, it can be secured to the windshield with a convenient suction cup mount. An image stabilisation system ensures high quality video footage.

### EXTRA-SMALL BLACK BOX AND MOTION DETECTION SYSTEM

The Black Box function automatically saves and protects any video footage in case of an accident. The Motion Detection function will make the camera start recording whenever it detects motion in the visual field. Thanks to its small footprint, it will not block your view as you drive. It weighs only 80 grams!!!

### GPS FUNCTION

Also available with built-in GPS, it shows where you are and follows you step by step along the way.

### IN ADDITION:

Street Guardian has a built-in battery to record videos even without the car running. Selectable Photo / Video function

## PACKS AND CODES

Box Street Guardian C1174

Box Street Guardian GPS C1174.01

Camcorder, car power adaptor, suction cup, 4m power cable, 8 hooks for cables, Midland GPS Video Player software (Only active for GPS Guardian Street).





# EXTRAORDINARY WITNESS



# EXTRAORDINARY POWER





# ENERJUMP ENERJUMP WORK



BATTERY  
CABLES



USB  
PORT



CURRENT PEAK EJ  
400A  
EJ WORK 600A



CAPACITY  
EJ 8000mAh  
EJ WORK 18000mAh



LED  
FLASHLIGHT



BATTERY  
LEVEL

NEW



13 x 7,5 x 2,5 cm:  
IT FITS IN  
YOUR POCKET!

23 x 8,7 x 2,7 cm

## ENERJUMP RANGE: YOUR POWER RESERVE WHEN THE PROBLEM IS THE BATTERY

### THE JUMP STARTER FOR CARS, BIKES, QUADS, ETC.

Enerjump, small but powerful enough to start vehicles fitted with a 12V battery (3000cc petrol / 2000cc diesel).

### THE JUMP STARTER FOR VANS, OFF-ROAD VEHICLES, ETC.

Enerjump Work is ideal for work vehicles with 12V battery (5000cc petrol / 3000cc diesel)

### ENERJUMP: THE POWER BANK FOR WHATEVER DEVICE WITH A USB PLUG

Enerjump has 1 USB socket to recharge smartphones, tablets, cameras, MP3 readers, etc.

Thanks to its capacity (8000mAh), it recharges your phone up to 3 times.

### ENERJUMP WORK: IT SIMULTANEOUSLY RECHARGES 2 DEVICES WITH USB

Enerjump Work has 2 USB sockets that simultaneously recharge portable devices such as smartphones, tablets, cameras, MP3 readers, etc. Thanks to its capacity (18000mAh) it recharges your iPhone up to 6 times. It also has a 12V socket to supply fridges and other car accessories and a 19V socket to recharge your laptop.

### LED TORCH AND CHARGE INDICATOR

Enerjump and Enerjump Work are fitted with a powerful LED torch and charge indicator. In an emergency an SOS can be launched

### SMART JUMP START SYSTEM™

Enerjump Work is fitted with Smart Jump Start System™ that allows automatic detection of the battery charge, protection against short circuits and polarity reversal.

## PACKS AND CODES

### Enerjump C1184

Enerjump, starting clips, car 12V battery, wall supply, USB/microUSB cable, soft case.



### Enerjump Work C1184.01

Enerjump Work, starting clips with Smart Jump Start System™, car 12V battery, wall supply, USB/microUSB cable, Notebook connector set, semi-rigid case.



# ENERJUMP TRUCK



BUILT-IN BATTERY  
CABLES



CURRENT PEAK  
1000A (12V)  
500A (24V)



CHARGE LEVEL

Dimensions: 21 x 23,7 x 7,5 cm

NEW



## YOUR POWER RESERVE WHEN THE PROBLEM IS THE BATTERY FOR HEAVY VEHICLES

### THE MOST POWERFUL JUMP STARTER FOR TRUCKS AND VANS

Enerjump Truck is the most powerful jump starters in the Enerjump family. Designed to jump start heavy vehicles, it can restart both 12V and 24V batteries (up to 11,000cc).

Its compact size and light weight allow keeping it in the cabin and move it easily thanks to the built-in handle. The chassis with shock-proof corner reinforcements and the professional clips make it an indispensable tool for people who spend their days on the road. Suitable to be used on: trucks, vans, off-road and agricultural vehicles, campers, boats.

### SMART JUMP START SYSTEM™

Enerjump Truck is fitted with Smart Jump Start System™ that allows automatic detection of the battery charge (12V-24V), protection against short circuits and polarity reversal

### CHARGE INDICATOR

Enerjump Truck is fitted with a charge indicator.

### PACKS AND CODES

Enerjump Truck with integrated starting clips, 12V car battery, wall supply  
**C1184.02**

# MIDLAND ER300



AM/FM  
RADIO



POWER SOURCE  
DYNAMO CRUNK



POWER SOURCE  
SOLAR PANEL



LED  
FLASHLIGHT



CHARGE  
THE DEVICE  
WITH USB



BATTERY  
UP TO 25 HOURS



DOG WHISTLE  
FOR RESCUE  
TEAMS



**NEW**



## THE EMERGENCY POWER BANK, WITH RECALL ULTRASOUND FOR DOGS, DYNAMO AND SOLAR PANEL

**Frequency:** 531-1629KHz (AM)  
87,5-108MHz (FM)

**Colour:** Red/Black

## SPECIFICATIONS

- 4 power sources: dynamo crank, solar panel, internal Li-Ion 2000mAh battery pack or simply rechargeable batteries
- Charges external electronic devices with USB port
- Power bank with long life rechargeable battery 3,7Vdc Li-Ion 2000mAh, lasting up to 25 hours of normal use
- Also it works with 6 x AA battery power option (not included)
- Powerful flashlight with Cree® led 130L\*
- SOS Morse code flashlight beacon
- Ultrasonic dog whistle useful for rescue teams
- AM/FM radio
- Digital clock
- Headphone jack
- Telescopic antenna
- Wide, bright LCD with backlight

## PACKS AND CODES

### Box single pack:

Radio, 2000 mAh Li-Ion battery pack,  
USB/micro USB cable  
**code C1173**

\* Cree® is a registered trademark of Cree Inc.

# GEOPOINT BOX SMS



SPY FUNCTION  
FOR PEOPLE, VEHICLES  
AND GOODS



SATELLITE  
ANTI-THEFT DEVICE



TRACK ON  
SMARTPHONE/PC



MOVEMENT ALARM IN  
A PREDEFINED AREA



SEND SMS POSITION,  
SPEED, ALTITUDE



SOS BUTTON WITH 4  
PREPROGRAMMED  
TELEPHONE NUMBERS



LOCALISES OBJECTS AND PEOPLE IN REAL TIME ON SMARTPHONES AND/OR PCS, SENDS SOS CALLS...



## MAIN FEATURES

- **Tracks people** (useful for the elderly, children, etc.), **tracks vehicles and goods**: easily hidden, sends position, altitude and speed via SMS message
- Portable, satellite **anti-theft device** for cars, motorcycles, boats, etc.
- **Programmable** sending of position, speed and altitude by **SMS**
- **Sending of an alarm** to signal the entrance into or exit from a pre-established area (geofencing)
- **Send/query to Smartphone/PC** by means of GPRS/INTERNET

- By pressing the **SOS button**, repeated **SMS messages** requesting help and specifying the position are sent to up to 4 different, pre-programmed telephone numbers.
- **MyTrack software** for PCs able to show device position on a map
- **Saves positions or favourite places**, extremely useful for hikers, mushroom seekers, athletes and lovers of the outdoor life

## PACKS AND CODES

1 localiser, 1 wall charger, 1 car power supply, 1 USB lead, Li-ion battery pack, CD ROM MyTrack software, device user's manual, MyTrack software user's manual  
**code C911 Geopoint white**  
**code C911.01 Geopoint green**  
**code C911.02 Geopoint grey**

**With the GSM SIM card:** Geopoint requires no subscription to operative centres, it merely requires a subscription or rechargeable telephone card with which to send SMS, connect to the free I-Scout server or make emergency telephone calls (telephone costs vary according to the chosen telephone operator).



# GEOPOINT VOICE LCD



TELEPHONE  
FUNCTION



SPY FUNCTION FOR  
PEOPLE, VEHICLES  
AND GOODS



SATELLITE ANTI-THEFT  
DEVICE



TRACK ON  
SMARTPHONE/PC



MOVEMENT ALARM IN  
A PREDEFINED AREA



SEND SMS POSITION,  
SPEED, ALTITUDE



SOS BUTTON WITH 4  
PREPROGRAMMED  
TELEPHONE NUMBERS



FIND ANOTHER  
GEOPOINT

GUIDES TO A DESTINATION, LOCATES WITHOUT GIVING RISE TO SUSPICION...



## MAIN FEATURES

- **LCD screen** for user-friendly use
- **Guides to a pre-set destination** or a point of route departure
- **Identifies another Geopoint**, specifying the distance and direction to reach it
- **Calls like a GSM telephone**, to the numbers pre-set in the address book or answers incoming calls
- **Tracks people** (useful for the elderly, children, etc.), **tracks vehicles and goods**: easily hidden, sends position, altitude and speed via SMS message
- Portable, satellite **anti-theft** device for cars, motorcycles, boats, etc.

- **Sends an alarm to signal** the entrance into or exit from a pre-established area (geofencing)
- **Track position and movements** on Smartphone/PC by means of GPRS/INTERNET
- **Saves positions** or favourite places, extremely useful for hikers, mushroom seekers, athletes and lovers of the outdoor life
- By pressing the **SOS button**, repeated SMS messages requesting help are sent to up to 4 different, pre-programmed telephone numbers.
- **MyTrack software** for PCs able to show device position on a map
- **On-line upgrades**

## PACKS AND CODES

1 localiser with vocal function and 2MB data memory, 1 earpiece kit, 1 wall charger, 1 car power supply, 1 USB lead, Li-ion battery pack, CD ROM MyTrack software, device user's manual, MyTrack software user's manual  
code C912 Geopoint white  
code C912.01 Geopoint green  
code C912.02 Geopoint grey

**With the GSM SIM card:** Geopoint requires no subscription to operative centres, it merely requires a subscription or rechargeable telephone card with which to send SMS, connect to the free I-Scout server or make emergency telephone calls (telephone costs vary according to the chosen telephone operator).

# THE WORLD IN COMMUNICATION

## 43 YEARS OF TECHNOLOGY AND PASSION

A global leader in radio communications and electronics, the Cte International Group was founded in 1972 in Reggio Emilia, which is where the Group's headquarters and R&D centre are currently based. Market analysis combined with a deep knowledge of the most advanced technologies, allows Cte International to operate on several fronts, from developing integrated wireless communication products to designing customised applications, through to providing expert advice and ensuring worldwide distribution.

Over the years, Cte International has implemented an ambitious international expansion plan, creating a Group of European and extra CEE subsidiaries with offices in 13 countries worldwide.

In 1995, Cte International acquired a significant share of US company Midland, a leading manufacturer of CB radios in the US market; in 2008, it fostered the creation of the Cte Digital Broadcast industrial

centre, with the aim to develop, manufacture and market analog and digital transmission systems for Radio and TV broadcasters.

Under the guidance of its Italian parent company, Cte International is now an international Group competing in global markets in the areas of radio communications, consumer technology and public and private intelligence.

## OUR MISSION

Research and innovation are the cornerstones of CTE International's strategy, which have led to the creation of an internal R&D division dealing with the design and development of product lines through an expanded staff of professional researchers, engineers, consultants and designers of firmware and hardware with many years of experience in communications.

Another cornerstone of the company's strategic approach is its extreme attention to after-sales service and customer care.

## THE CTE INTERNATIONAL GROUP

CTE International is present worldwide, with partners and branches in France, Great Britain, Spain, Germany, Greece, Russia, the Ukraine, Bulgaria, Poland, the United States of America, South America and Singapore, companies that are competent and reliable and which form the backbone of its commercial policy. CTE guarantees customer satisfaction by truly allowing the world to communicate.

Important companies are part of the group:

- Midland Radio Corporation of Kansas City with its historic amateur and professional radio communications brand and the weather radio sector giant in the United States of America
- Cte Digital Broadcast, which produces TV transmitters and digital repeaters. The industrial pole of Cte Digital Broadcast was established in 2008, comprising the broadcast divisions of CTE International, CTE DB, META System spa and TEKO Telecom spa.

## BUSINESS UNITS

CTE International has consolidated its position, establishing its offer along two main lines, managed by specialised business units: Radio and Microline.

### BUSINESS UNIT MIDLAND RADIO

The Radio Business Unit - Midland brand - invests constantly in the research, development and design of new communication products and its latest success is the range of Mini Action Cam XTCs for filming life on the move.

Midland is: PMR446/LPD transceivers; portable and vehicle CBs (citizen bands); marine VHF; amateur VHF and UHF; Bluetooth intercoms for communication on motorcycles, for sport and free time and, last but not least, the ultra-high performance Mini Action Cam XTC.

### RADIO BUSINESS UNIT ALAN PROFESSIONAL

The Radio Business Unit - the Alan Professional brand - develops and realises vehicle and portable conventional type PMR transceivers and independent networks for communication for public and private businesses, emergency services, watch services and the public administration.

In addition to Alan and Midland, in 2001, the Albrecht brand also joined the sister company Alan Germany.

### BUSINESS UNIT MICROLINE

The Microline business unit is involved in the development and realisation of professional audio, video and tracking systems for intelligence and counter-espionage.

Microline solutions are entirely built in Italy by the technical staff of CTE International and stand out for their constant innovation in design and construction solutions that are tested in teams with experts of the entities intended to use them. Famous and appreciated worldwide, the Microline solutions stand out for their great miniaturisation and reliability. Products can be customised to meet specific demands, intended for the complex, constantly evolving world of legal investigations.





cte international

The World in Communication

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## WARRANTY

All our products are covered by a 24-month warranty, as long as they are sent to our Technical Service Centres together with the tax receipt. Contact our Authorised Retailer who will tell you where the nearest Service Centre is located.

N.B. no returns of materials will be accepted if not ex works and by prior authorisation of the Sales Department (+39 0522 509420/423) or Customer Technical Assistance Department (+39 0522 509535). Lack of this authorisation will entail the immediate return of products to the sender.

## CERTIFICATIONS



**ISO 9001 2008:** for the design, production and installation of telecommunication systems and equipment for industrial, military, civil, marine and consumer use.



**ETSI:** CTE International is a credited member of ETSI - the European Telecommunications Standards Institute - which it helps define standardised technical specifications for telecommunication products and services.



**ANITEC:** CTE International is part of the ANIE Federation research and innovation commission, a member of Confindustria and represents the electro-technical and electronic businesses operating in Italy.



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This catalogue is the result of a collaborative effort involving friends, colleagues and partners.  
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This catalogue replaces all previous catalogues. We reserve the right to modify and improve the designs or specifications of our products at any time and without prior notice.

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DEALER

