

**VHF & UHF Amateur and professional transceivers**



# Midland CT 210

Amateur equipment in VHF

> **Version**

VHF

> **Colour**

Black with blue insert

> **Frequency**

144-146MHz  
(Export 136-174MHz)

> **Output power:**

4W VHF

> **Packaging and code**

One radio, **Li-Ion 1200mA** battery pack, quick desktop charger, wall adapter, antenna, belt clip

**code C841.01**



# Midland CT 410

Amateur equipment in UHF

> **Version**

UHF

> **Colour**

Black with red insert

> **Frequency**

430-440MHz  
(Export 400-470MHz)

> **Output power:**

4W UHF

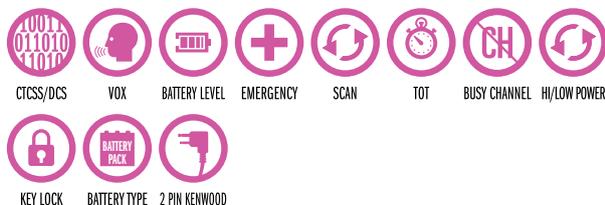
> **Packaging and code**

One radio, **Li-Ion 1200mA** battery pack, quick desktop charger, wall adapter, antenna, belt clip

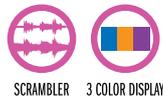
**code C840.01**



> **Specifications shared by all models**



> **Specifications Midland CT 210/410**



# Midland CT 710

Amateur dual band equipment

> **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

> **Packaging and code**

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



> **Specifications Midland CT 710**



# Midland CT 790

Amateur dual band equipment

> **Version**

Dual Band VHF/UHF

> **Colour**

Black

> **Frequency**

144-146MHz  
(Export 136-174MHz)  
430-440MHz  
(Export 400-470MHz)

> **Output power:**

5W VHF/4W UHF

> **Packaging and code**

box, one radio, antenna, **Li-Ion 1700 mA battery pack**, belt clip, desktop charger, wrist strap **code C924**



> **Specifications Midland CT 790**



# Midland CT210/410/710/790

## > Specifications shared by all models

- 50 CTCSS tones/210 DCS tones
- Channels that can be saved: up to 128 groups
- Channelling step: 25KHz/12.5KHz
- **1750 Hz tone for access to repeater bridges**
- SOS emergency function
- Repeater bridge shift
- Vox and Scan function
- Back-lit display
- Optional viewing on display of channel number, channel number + frequency or only frequency
- Time-out Timer (TOT) function
- Busy channel lock function
- Squelch adjustable to 9 different levels
- Keypad lock
- High/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
- Shift repeater
- Function/channel reset

## > Specifications Midland CT210/410

- Scrambler
- Adjustable back-lit display with 3 colours

## > Specifications Midland CT710

- Operating mode: UHF-UHF, VHF-VHF and VHF-UHF
- Dual band viewing (VHF/UHF) on display and channel name
- Scrambler
- Compander
- Adjustable back-lit display with 3 colours
- FM radio receiver
- Roger Beep tone at start/end of conversation
- Frequency scan with CTCSS/DCS
- DTMF

## > Specifications Midland CT790

- Operating mode: UHF-UHF, VHF-VHF and VHF-UHF
- Dual band viewing (VHF/UHF) on display and channel name
- FM radio receiver
- Chronometer
- Built-in torch
- Frequency step: more than 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



## Programming software

### PRG10 - code C974.01

Complete with USB connection lead for PCs for CT710 and CT790,

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## Technical specifications



Model	CT 210	CT 410	CT 710	CT 790
<b>General</b>				
Frequency	144-146MHz	430-440MHz	144-146MHz - 430-440MHz	144-146MHz - 430-440MHz
Operating temperature	-20°-+55°	-20°-+55°	-20°-+55°	-20°-+55°
Voltage supply	7.4V	7.4V	7.4V	7.4V
Operating mode	Simplex or Semi-duplex	Simplex or Semi-duplex	Simplex or Semi-duplex	Simplex or Semi-duplex
Size (excluding antenna)	100×58×33mm	100×58×33mm	100×58×33mm	105×58×39mm
Weight (including batteries)	203g	203g	203g	250g
Antenna impedance	50Ω	50Ω	50Ω	50Ω
Use cycle	5/5/90	5/5/90	5/5/90	5/5/90
<b>Transmitter</b>				
Frequency stability	±2.5PPM	±2.5PPM	±2.5PPM	±2.5PPM
Output power	>4W	>4W	VHF: 5W UHF:4W	VHF: 5W UHF:4W
Maximum frequency deviation	5KHz	5KHz	5KHz	5KHz
Audio distortion	≤ 3%	≤ 3%	≤ 3%	≤ 3%
<b>Receiver</b>				
RF sensitivity	< 0.2µV	< 0.2µV	< 0.2µV	< 0.2µV
Audio distortion	≤ 3%	≤ 3%	≤ 3%	≤ 3%
Audio response	300Hz ÷ 3KHz	300Hz ÷ 3KHz	300Hz ÷ 3KHz	300Hz ÷ 3KHz

## Accessories

### Microphone with adjustable earpiece and PTT, with curly cord



MA 21-LK - C709.04



### Bluetooth® adapter

Connected to a transceiver with a 2-pin socket, it adds the Bluetooth® function, enabling the use of Bluetooth wireless accessories (such as, for example, earpieces for mobile telephones, Bluetooth motorcycle intercoms such as BTCity, etc.).



**BPA 100 G-K - C804.02**  
230V wall charger  
with Kenwood **2-pin adapter**



### Microphone with adjustable earpiece and PTT, with curly cord



MA 21-K - C843



### Desktop charger CT200-400, CT210-410, CT 710

**CA-CT200/400 C849**  
Quick desktop charger with wall adapter.



### Microphone with pneumatic earpiece



MA31-LK - C732.04



### Battery pack

**PB200/400 - C846**  
Battery pack 7.4V DC Li-Ion 1200mA  
for CT200-400, CT210-410

**PB710 - C1050**  
Battery pack 7.4V DC Li-Ion 1,600mA  
for CT710

**PB CT 790 - C931**  
Battery pack 1700mAh Li-Ion  
for CT790



### Handheld speaker microphone with PTT



MA22-K - C844



### Case CT200-400, CT210-410, CT 710

**CS 200/400 - C 845**  
Leather case



### Car power supply for desktop chargers

**AL-DTC - C981**  
Compatible with all



### Antennas

**ANT200 - C847** for CT200  
**ANT400 - C848** for CT400  
**ANT210 - C847.01** for CT210  
**ANT410 - C848.01** for CT410

**ANT710 - C1051** for CT710

**ANT790 - R72659** for CT790



# Alan HP06/HP70

Professional performance, versatility and customisation of communication standards



## > Specifications

- **Protection IP54 - 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  
**code G932.04 HP106 - VHF 146-174MHz**  
**code G933.04 HP406 - UHF 440-470MHz**  
**code G1043.02 HP70L - low band 66-77MHz**  
**code G1043.03 HP70H - high band 77-88MHz**



## Antennas HP70 (not supplied in pack)

- HA 68 H - G970** Antenna 77-88MHz  
**HA 68 - G1049** Antenna 66-77MHz

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# Alan HP08

Competitively priced professional performance and quality



## > Specifications

- **IP54 protection**
- **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 mA/h rechargeable battery, antenna, belt clip  
**code G1176 HP108** - VHF 136-174MHz  
**code G1177 HP408L** - UHF 400-470MHz  
**code G1177.01 HP408H** - UHF 465-520MHz (export)

# Alan HM35/70

For advanced communication systems



## > Specifications

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

1 radio, power lead and support bracket  
code G934 HM135 VHF 136-174MHz  
code G935 HM435 UHF 403-470MHz  
code G1101 HM70 66-88MHz



## Programming software complete with USB connection lead for PCs

PRG06 - Series HP06  
code G966

PRG08 - Series HP08  
code G1184

PRG35 - for HM35/35S and HM70  
code G968

# Alan HM06

Reasonably priced professional performance



## > Specifications

- MIL STD 810 C D,E, F and IP54 (front panel only)
- 99 channels
- CTCSS/DCS
- Output power 4 - 25W
- 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 HM106 VHF 136-174MHz

# Alan RPT 35S Quick Setup

Base station/repeater

The new **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.



## > 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  
**code G1134 RPT 135S VHF 135-174MHz**  
(duplexer H band 152-175MHz)  
**code G1134.01 RPT 135S VHF 138-156MHz**  
(duplexer L band 138-156MHz)  
**code G1135 RPT435S UHF 405-470MHz**

For technical information: tel. +39 0522509411 - info@cte.it

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## Portable accessories

### Chargers

**RC05 - C663.02**  
Black quick desktop charger  
**Compatible with:** HP06



**RC08 - G1191**  
Quick desktop charger  
**Compatible with:** HP08



### Batteries

**BP0513 - G811.02**  
1300 mAh NiMh for HP06-HP70



**BP0518 - G811.03**  
1800 mAh NiMh for HP06-HP70



**BP08 - G1192**  
1600 mAh lithium for HP08



### Power supply

**AL-DTC - C981**  
**Compatible with:**  
Alan RC08, RC05



## Vehicle accessories

### Palm microphone

**MK06/35 - G1004**  
Standard palm microphone  
**Compatible with:** all Alan HM



**MK06/35-K - G1003.01**  
Microphone with keypad  
**Compatible with:**  
Alan HM35/70



### Speaker

**AU25 - T681**  
External speaker max. 5W  
**Compatible with:**  
Alan HM35/70/06



### Remote control

**G1016**  
Remote control kit including  
5 m extension lead with connectors,  
brackets, screws.  
**Compatible with:** Alan HM35/70

