

FUNCTIONS (EXCERPT)

- Optional analogue or digital operation
- Versatile voice calls: Individual call, group call, broadcast call, emergency call
- GPS functions (PD785G only)
 - Retrieve GPS position data
 - Send GPS text messages
 - Display distance and position of other GPS radios
- Data services
 - Text messages
 - Group text messages
 - Control of the radio via API
- Different analogue dialling methods
 - HDC1200, DTMF, 2-tone and 5-tone dialling
 - quench procedure / tone call CTCSS / CDCSS
- Supplementary services, radio check, remote monitor, call alert, radio disable/enable
- Different menu languages available (e.g. German, English, French, Spanish, Polish, Italian, Russian, Turkish, simplified and traditional Chinese, Korean)
- One-touch functions (incl. text messages, voice calls and supplementary services)
- Scanning
 - of analogue voice and signalling
 - of digital voice and data
 - mixed scanning of analogue and digital activities
- Automatic cell re-selection (roaming) in IP multi-site systems
- Analogue scrambling
- Secure encryption with encryption algorithm ARC4 (40 bit) in accordance with DMRA or with optional algorithms AES128 and AES256 (128 and 256 bit)
- Upgradeable software

HOW TO MAKE A CALL:

- 1) Switch on the radio
- 2) Select the person or group you want to call by either using the contact list or group select knob
- 3) Push the PTT button to open the call
- 4) If a timer starts on the screen, the call has successfully opened. If there is an error message, see below for troubleshooting
- 5) Push the PTT button to talk
- 6) When you have stopped talking, depress the PTT button and wait for a response
- 7) When you are done talking, press the call decline button
- 8) Calls are limited to 1 min & 30 seconds per call, you will receive a warning tone 10 seconds before the call closes. To re-establish call, continue from step 2

SHOULD YOU BE UNABLE TO REACH A PARTY ON THE RADIO, LOOK FOR THE BELOW INDICATORS:

Out of Range—Radio is searching for network signal

Called Party Busy—Radio called is currently on another call

Queuing—Radio is in a queue awaiting an available channel

Connection Fail—Radio you are trying to contact is not on the network or is out of range.

FOR NETWORK SUPPORT QUERIES:

We have a 24/7 NNOC manned by trained network operators. In order for us to best assist you, please have the following information available:

- Radio ID & Radio model
- Information on the exact nature of the fault you are experiencing
- Contact info for person at the radio

NNOC Contact Details: Tel: 0860 123 159 (option 2)
Email: ops@fleetcall.co.za

MD785/MD785G

Digital mobile radios



MD785/MD785G Digital mobile radios



HOW TO MAKE A CALL:

- 1) Switch on the radio
- 2) Select the person or group you want to call by either using the contact list or group select knob
- 3) Push the PTT button to open the call
- 4) If a timer starts on the screen, the call has successfully opened. If there is an error message, see below for troubleshooting
- 5) Push the PTT button to talk
- 6) When you have stopped talking, depress the PTT button and wait for a response
- 7) When you are done talking, press the call decline button
- 8) Calls are limited to 1 min & 30 seconds per call, you will receive a warning tone 10 seconds before the call closes. To re-establish call, continue from step 2

SHOULD YOU BE UNABLE TO REACH A PARTY ON THE RADIO, LOOK FOR THE BELOW INDICATORS:

Out of Range—Radio is searching for network signal

Called Party Busy—Radio called is currently on another call

Queuing—Radio is in a queue awaiting an available channel

Connection Fail—Radio you are trying to contact is not on the network or is out of range.

FOR NETWORK SUPPORT QUERIES:

We have a 24/7 NNOC manned by trained network operators. In order for us to best assist you, please have the following information available:

- Radio ID & Radio model
- Information on the exact nature of the fault you are experiencing
- Contact info for person at the radio

NNOC Contact Details: Tel: 0860 123 159 (option 2)
Email: ops@fleetcall.co.za

TELEMETRY

Allows the monitoring and control of external devices via the radio.

PRIORITY INTERRUPT

Send a priority transmission to interrupt other calls, ideal for important, critical messages.

INTELLIGENT AUDIO

Combining noise cancelling technology to remove nuisance noise from the transmission, delivering clear communications.

PRIORITY SCAN

Allows the radio to automatically scan and switch the user to receive a priority call if transmitted.

PSEUDO TRUNKING

Using pseudo-trunking, a Hytera patented technology, slots can be shared to improve capacity usage with transmissions either direct to device or to a repeater.

XPT

Hytera XPT (Extended Pseudo Trunking) enables you to use limited spectrum resources more efficiently, dynamically assigning channel resource without needing a dedicated control channel.

LONE WORKER

The Lone Worker feature uses a timer in the radio to measure inactivity. If the timer expires, a warning is issued, and if there is no response to that, the alarm is triggered.

EMERGENCY MODE

Raise an alarm with top priority to a base station or to other radios with the pre-programmed emergency mode, identifying the ID of the person issuing the alarm.

GPS

(G) version only (via separate antenna), enabling location based services to improve safety and control.

ALTRON NEXUS



ALTRON NEXUS



For more information contact:
Email: sales@altronnexus.com
Tel: +27 87 821 4500

www.altronnexus.com