



DMR / DPMR

me - D700



Digital and Analog

The me-D700 range of 5W UHF and VHF modems provide global solutions opening up a world of opportunity to your voice or data application or M2M service.

Designed to be small and compact the me-D700 range offers great flexibility wherever wireless data or voice communication is needed.

The modems are:

- Environmentally tested to resist water and dust ingress
- CE & UKCA / FCC & Canadian certified
- Low current consumption
- Low maintenance with full service support

The me-D700 is ideal for wireless applications requiring simplicity and low cost e.g. M2M interrogation, simple remote switching, alarm signaling and gate entry systems.

The me-D700 and makes an ideal primary or fallback bearer for you communication needs.

Mobile Expertise Global Ltd prides itself on a reputation for product quality, design and performance.

We make customer service a top priority and offer easy access to technical help and provide helpful and friendly service at every stage.

Compact and rugged die-cast housing.

Data up to 115,200bps Digital Mode

Data up to 9600bps Analog Mode

Point-to-Point network free communication.

1 – 5W Transmit Power.

DMR Tier II TDMA/Analog.

DPMR Support by Firmware

Digital Voice uses AMBE+2 Voice Codec.

AES 256-Bit Encryption (AES-CTR)

RF Communication Data Speed 9600bps (OTA).

Built-In AT Commands.

Programmable up to 32 channels.

32 Channels (Dip Switch).

General

Performance Specification	USA : FCC Part 90 Canada : RSS 119 Europe and UK : CE & UKCA
Frequency Range	me-d700 VHF : 150 – 174MHz me-d700 UHF : 410 – 470MHz
Number of Channels	32 channels dip switch or serial command selectable
Channel Spacing	25/20/12.5KHz Analog 12.5KHz Digital, 2 Time Slot of 6.25KHz Each
Operation	Half Duplex
Antenna Impedance	50 Ohm
Antenna Connector	BNC [Female]
Weight	230g
Mounting	Four x M3.5 holes
Interfaces	15 pin D-type [Female]

Electrical

Power Supply	12Vdc normal [+8V to 24V rate]
Current Consumption	1.5A @ 5W, 0.6A @ 1W for Analog 1.0A @ 5W, 0.5A @ 1W for Digital

Transmitter

RF output power	1W – 5W programmable [High / Low]
FM Modulation	11K0F3E(12.5kHz), 14K0F3E(20KHz), 16K0F3E(25KHz)
4FSK Digital Modulation	12.5 kHz Data Only: 7K60FXD, 12.5 kHz Data & Voice: 7K60FXE
Data inputs:	

Receiver

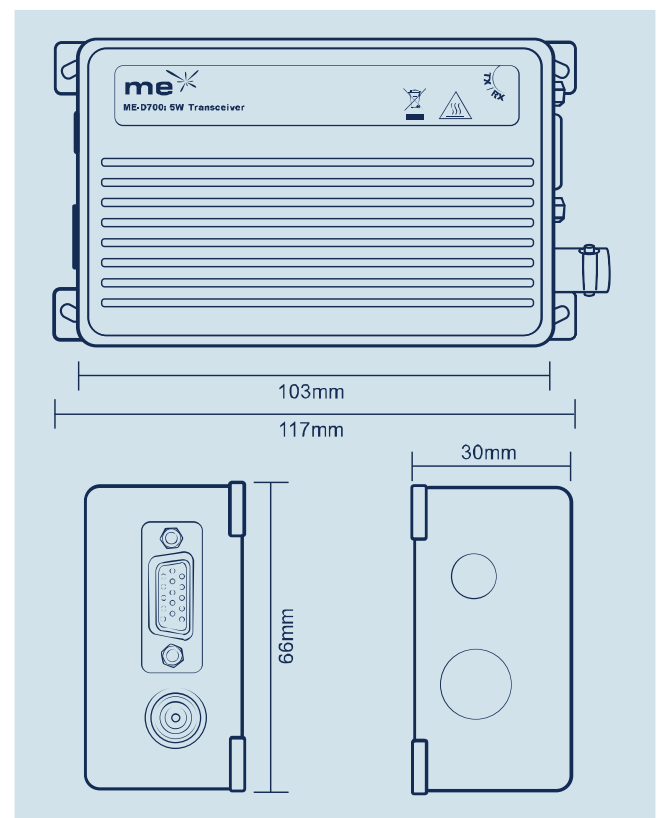
Receiver sensitivity	0.25µV @ 12dB SINAD [Analog] 0.22µ V/BER 5% [Digital]
Audio output (speaker)	1V rms @ 8 ohms
Data output:	200 - 300mV rms

Environmental

Operating temperature	-30 °C to +60 °C
Storage temperature	-40 °C to +85 °C
Enclosure	IP54 rated

Customization opt

PC programmer	Own Branding with Logo and desktop Icon
Mobile Expertise Global Ltd can offer a range of customization and OEM option on request	



Specifications are subject to change without notice and range will vary depending on the topography and the surrounding environment. Figures above are typical and measured under normal operating conditions. As such they will not form part of any contract. Our policy is one of continuous improvement and we reserve the right to change product specifications without notice.



ISO9001:2008 QS
assured design and
manufacture



Service Support

Technical help



Accessories

**Customized option
and OEM**