

simocoXd
CONNECTIONS THAT COUNT

SDM600 DMR DIGITAL MOBILE



// DMR Digital Mobile

The Simoco Xd range of DMR Mobiles combine digital voice and data capabilities with highly flexible deployment and installation in the vehicle. Essential voice communications are simply and intuitively presented to the user while instant text and status messaging are a core part of this digital system. Plus, the digital nature of these DMR radios enables delivery of application information to connected devices.

In-vehicle radio equipment must put communications tools in front of the user in the right place for ease of use without distraction.

The SDM600 series provides two purpose designed control heads that are separate from the radio and can be mounted in optimal positions, with the radio module itself secured out of the way. These control heads provide flexible use of the radio system with at least 4 programmable keys for immediate access to essential activities. This enables urgent communications without distracting the operator and leverages the full benefits of the digital radio system.

COST EFFECTIVE

The SDM610 is an entry level controller microphone that puts the essentials of voice calls and status messaging right where the user needs it. The compact design with accessible function keys and simple display give the user the right information and the right control over their communications, making the radio simple to operate in urgent communications situations.

ADVANCED OPERATION WITH FULL KEYPAD

The SDM630 advanced control head provides for extended applications and messaging at the user's fingertips. Designed to push instant messaging, dispatch, telemetry and control applications out to the mobile user, this radio expands their abilities beyond voice communications. The full keypad enables enhanced dialling, giving access to any radio, group or further to telephone networks. Other features include full text message composition, 12 additional programmable keys with press 'n' hold.

CUSTOMIZABLE

Because each organization's needs are different, Simoco Xd mobiles are enhanced for wide-ranging customization. From programmable keys (4 in the SDM610 and 18 in the SDM630) to an IO expansion board, and further options for integrating with system-wide applications, the SDM600 family of mobiles is developed from Simoco's experience with a wide range of custom projects.

EXCELLENT INSTALLATIONS

Installers can mount the mobile transceiver securely and alongside existing cabling to minimise vehicle modification, whilst the remote head can be mounted for optimal use by the operator without encroaching on their comfort or safety.

UNCOMPROMISING OPERATION

So, whether you are installing in a heavy duty haul truck, aircraft pushback tractor, train cab or the works van, make the communications solution directly available to the user without compromising control of the other elements within the vehicle.

// Features



SDM600

- 1W to 25W Output Power
- Quick mount bracket available
- IP54 ingress protection
- Connectors placed for ease of installation
- 2000 Channels



SDM610 CONTROL MICROPHONE

- 4 Programmable buttons
- Clear 6 character display
- IP54 ingress protection
- Bracket for easy mounting



SDM630 CONTROL HEAD

- Intuitive menu-based interface
- Large clear 5-line display
- IP54 ingress protection
- 6 programmable function buttons
- 12 functions associated with long key presses
- 2 dedicated call buttons

STANDARD PACKAGE INCLUDES:

- Fused power cable
- Speaker
- Microphone
- Control head extension cable
- Mounting cradle
- 2-Year standard warranty

// Simoco Xd - Specifications

GENERAL

Frequency	AC (136-174MHz), TU (400-480MHz)
Dimensions (transceiver only)	5.00 x 1.97 x 8.35 in
Power Supply	10.8 – 16.3VDC
Standby Power Consumption	3W
Receive Only Power Consumption	16W (4W audio output)
Transmit Power Consumption	82W (25W RF)
Frequency Stability	+/-2ppm
Channel Spacing	12.5kHz, 25kHz
Channel Capacity	2000
Weight	2.65lbs

TRANSMITTER

RF Output Power	0.5 – 25W
Modulation Limiting	+/-2.5 @ 12.5kHz, +/-5.0 kHz @ 25kHz
FM Hum and Noise	40dB (TIA-603-B)
Conducted / Radiated Emission	Complies with ETS086-1 / ASNZS4295 / TIA603-B
Adjacent Channel Power	-60dBc (ETS086-1)
Audio Response	+1/-3dB (analog)
Audio Distortion	3% (TIA-603-B)
Digital Vocoder Type	AMBE+2 half rate

RECEIVER

Analog Sensitivity	-117.5dBm (12dB SINAD)
Digital Sensitivity	-117.5dBm (BER 1%)
Intermodulation	65dB (70dB typ. ETS086-1)
Adjacent Channel Sensitivity	65dB (ETS086-1)
Spurious Rejection	70dB (ETS086-1)
Hum and Noise	40dB (TIA603-B)
Audio Response	+1/-2dB (0.3-2.55kHz analog)
Audio Distortion	3% @ 4W Analog Mode
Conducted Spurious Emission	-57dBm (ETS086-1)

ENVIRONMENTAL

Storage Temperature	-40°F to +176°F
Operating Temperature	-22°F to +140°F
IP Rating / Humidity	IP54

All specifications are subject to change without prior notice.



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For more information please contact your local Simoco Authorized Dealer: