

COTEL UK RENTAL

WIRELESS TECHNOLOGY FOR BUSINESS

Radio • Data • CCTV • Tracking • Satellite

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DIGITAL SITEMASTER SERIES

**LOOK SMART,
WORK SMART**



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IDAS™ Takes You To a New Level of “Smart”

Introducing Cotel's new generation of IDAS digital business radios. This smart new series incorporates cutting edge design, superb performance and a comprehensive range of sophisticated features all on a flexible, upgradable multi-protocol platform.

Manufacturing refinements and enhancements have not only reduced the size of the radios but have provided new functions and enhanced performance. The electrical and industrial hardware improvements provide an adaptable radio solution for your organisation that is easy to use whatever the working environment you may be operating in.

Cotel's product quality is legendary. Look smart and work smart with the new IDAS series.



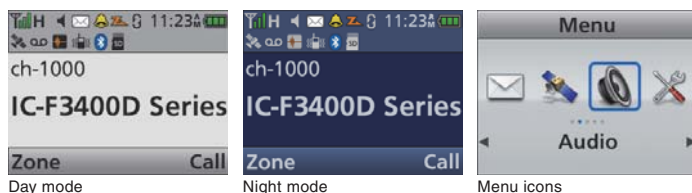
Small, Slim and Smart

New engineering techniques including the use of a custom SoC (System-on-a-Chip) and flat sheet keypad have made radios body as compact as possible. The slim dimensions are also supplemented with reduced power consumption, allowing for a thinner battery pack.



High-Resolution Color LCD

The high-resolution transreflective colour LCD provides great visibility in both natural and indoor lighting. Functions and menu items are clearly labelled with easy to read. A night mode LCD setting is available for use at night or in low lighting conditions.



Multiple Languages

Functions and menu items can be shown in local languages including English, French, German, Spanish, Russian and Simplified Chinese fonts. In addition, voice announcements can be recorded and changed for output in these languages.



License Key Upgrade

The radios functions and protocols can be upgraded and customized to meet your specific needs with various license key options.



NXDN™ Trunking Upgrade

The radios are compatible with digital conventional mode and analogue FM mode with auto sensing function. The radios can be upgraded to NXDN Type-D multi-site trunking mode with a license key.



DES/AES Encryption with OTAR

For digital communication security, the radios provide basic 4-key DES encryption as standard. When used with the optional UT-134 encryption unit, 256-bit AES encryption and the OTAR function are available. The OTAR function allows updating of encryption keys over the radio channel.



OTAP and OAA

For efficiency in radio programming, the OTAP (Over-the-Air-Programming) function allows remote change of programming data (for example adding a new repeater) over the radio channel. The OAA (Over-the-Air-Alias) function sends user name over the radio channel and eliminates needs to program the alias table. Successfully manage your fleet with ease.



Built-in Bluetooth®

The built-in Bluetooth module provides remote operation and hands-free communication paired with a third-party Bluetooth headset*. When connected with Bluetooth telemetric devices or PC terminals, data or files can be wirelessly transferred.

* Available functions depend on paired Bluetooth devices.



Digital Voice Recording

The radios can record incoming and outgoing communications, and replay recorded communications. When a 32 GB microSD* card is used, a Max. 500 hours recording is possible. The recorded audio is saved in “wav” format and allows replay on the radio or a PC.

* MicroSD card is required separately.



Motion/Stationary Detection Sensors

An emergency button and five emergency-related functions are incorporated (man down, motion detection, stationary detection, lone worker and power OFF emergency functions). The motion/stationary sensor sensitivity level is programmable in 10 levels for each function.

* Man down, motion detection and stationary detection for handheld radios only.



GPS Receiver

Position data can be sent with voice call or status call and can be used with an AVL (Automatic Vehicle Location) system. The GPS log functions log user position data at regular intervals and can be saved to a microSD card. The radios can show direction and distance to another radio or specified point, and notify you with a beep sound if the target is in the specified range.

* For mobile radios, an optional GPS antenna is required separately.



USB Port for PC Connection

The radios can be connected to a PC through a USB port for programming and accessing the installed microSD card in mass storage mode.



Transparent Data Modem Facility

The radios can be used as a transparent data modem which transmits various data at 9600 bps over the radio channel using 12.5 kHz channel spacing. Text messages can send up to 100 characters text data message and scrolls the received message on the display.



ANC (Active Noise Canceling)

The ANC assists in providing clear comment. Some specified noise sources (such as sirens or boiler noise) can be cancelled.



Audio Equalizer

The Audio equalizer allows you to tailor the audio tone to suit speech characteristics and the language in use. Five types of tone controls are available (flat, high boost, middle boost, low boost and low cut). The audio auto gain control function controls the speech audio to a constant, regardless of the input magnitudes of the voice or distance of the microphone from the mouth.



Voice Announcement

The radios can notify channel number, zone and channel type with voice announcement. This function is convenient for making radio adjustments without having to look at the radio.



Vibration Alert

When a call from a specific user is received, the hand-held radio will vibrate enough to be felt through heavy clothing. Vibration patterns are programmable.



Waterproof and Dusttight with AquaQuake™ Function

The handheld radios in this range are IP68 waterproof and dust-tight protection (1m depth for 1 hour). They also incorporate an AquaQuake draining function by emitting a vibrating buzz sound.



Multiple Controller Configurations

With a combination with optional separation kits, COMMANDMIC and separation cables, three types of controller configurations are available to suit almost any application or installation that may be required. The intercom function is available between controllers and/or COMMANDMIC.



Detached Controller*
Optional RMK-5
and separation cable required.

A detached controller head with the separated RF unit is a simple to install in almost any vehicle.



Dual Head Controller*
Optional RMK-7, hand microphone
and separation cables required.

Suitable for double cab vehicles. Install the controller head to front and rear seats respectively.



COMMANDMIC™ and Detached Controller*
Optional RMK-5, COMMANDMIC, HM-218
and separation cables required.

The COMMANDMIC is handy for installing a work platform on the rear part of the vehicle.

* Detached Controller, Dual head and COMMANDMIC configurations are for Digital Sitemaster Mobile Radios only.

PRODUCTS LINEUP

Handheld Radios



Top view



VHF DIGITAL TRANSCEIVER
IC-F3400DT
UHF DIGITAL TRANSCEIVER
IC-F4400DT



VHF DIGITAL TRANSCEIVER
IC-F3400DS
UHF DIGITAL TRANSCEIVER
IC-F4400DS



VHF DIGITAL TRANSCEIVER
IC-F3400D
UHF DIGITAL TRANSCEIVER
IC-F4400D



Mobile Radios

VHF DIGITAL TRANSCEIVER
IC-F5400D
UHF DIGITAL TRANSCEIVER
IC-F6400D



VHF DIGITAL TRANSCEIVER
IC-F5400DS
UHF DIGITAL TRANSCEIVER
IC-F6400DS

