



ICOM

F14/F24 SERIES

*NEW DEMANDS,
NEW DIRECTION, NEW RADIO*

FEATURE	FUNCTION	BENEFIT
GENERAL		
MDC 1200 Compatible	Transmit MDC 1200 PTT ID and emergency calls	The MDC 1200 encoding functions are compatible with fleets using existing MDC systems.
Low Battery Beep	Adds an audible alert in addition to the LED blinking when the battery runs low	Ideal for workers who wear the radio on their belt. The F14 gives audible and visual clues when the battery is running low.
Die-cast Aluminum Chassis	Mil-spec rated rugged design	Reliable performance, even in the most demanding industrial and public safety applications.
Compact Case	Facilitates easy handling	Easily fits into the palm of your hand.
Volume Knob	Adjusts audio level	User can decide how loud they want the volume.
Rotary Channel Selector	Easy access and selection of 16 programmed channels	Easy channel selection of channel. Bumper stops at channel 1 with easy tactical feedback during channel changes.
16 or 4 Memory Capacities	Program 16 or 4 separate channels for operation	Plenty of channel capacity. Perfect for applications requiring a multiple channel system design.
Programmable Keys	Two programmable buttons for assignable user functions	Customizes function keys to user specific needs (see "Programmable Key Choices" section for detailed explanation).
Large Speaker	Clear audio	Provides crisp, clear audio for easy copy
Wide Frequency Range	Provides operation for full VHF high band range (136-174 MHz) and UHF (400-470 MHz or 450-512 MHz)	Enables the full utilization of the spectrum by using all available frequencies even if not co-located.
Wide/Narrow Channel Spacing	12.5 kHz and 25 kHz channel bandwidth	This radio features wide and narrow channel bandwidth by channel for compatibility with the older (wide) and newer (narrow) channel assignments – very flexible to grow with the users changing needs.
Li-ion Battery	Long life between charges	2000 mAh battery provides long periods of use between charges.

FEATURE	FUNCTION	BENEFIT
Multiple Tone Squelch Signaling	CTCSS and DCS encode/decode	Compatibility with existing CTCSS & DCS based systems.
Advanced Signaling	2/5 tone encode/decode, and DTMF encode built-in	Selective individual and group calling is available via this built-in feature. Excellent for isolating a call to a specific user without needlessly alerting others.
Multiple 2-Tone Receive	Receive up to 10 2-tone combinations	Allows user to monitor multiple 2-tones pages on 1 memory channel. User can assign any 1 of 10 channels to transmit per memory channel. Not limited to industry standard 2-tone tables. Enables multiple groups on the same channel (no scan or channel switch necessary).
Over the Air Kill	Remote disabling of radio	In the event of unauthorized use or theft, the radio can be disabled over the air from an authorized source. Excellent for maintaining communication integrity with minimal disruption.
Scrambling	Voice encryption for communications privacy	Add the UT-109/UT-110 for increased over the air security.

RECEIVER SECTION

Priority Channel/Scan	Frequency checking of an assigned channel	A great feature, when a highly important frequency needs to be continually checked for activity. Users can assign one channel as priority channel.
Priority (Home) Channel	Instant access to 2 priority (home) channels	Enables instant access to either of the 2 priority (home) channels regardless of memory location.

TRANSMITTER SECTION

Multiple Format ANI	Automatic unit number identification	This is an excellent feature for any application where it is essential to identify the user during transmission. Supports MDC, DTMF, and numerous 5-tone formats. User can also customize their own ANI.
Emergency Call	Alerts dispatch to emergency situations	The radio can transmit an emergency ID message, showing the unit number, and may repeat that emergency status message until cancelled, and the emergency is under control. Essential for public safety and plant security, as well as in any hazardous, high-risk area.
Time Out Timer	Disables transmitter after extended use	The radio's time out timer (TOT) is helpful if the radio is accidentally keyed, or if a user gets too "long-winded", tying up the frequency beyond normal use. The transmitter can also be locked out for a programmable period of time following time out.

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Transmit Inhibit	Disables transmitter from use	Configure the radio to prohibit transmission if the selected channel is a "receive only" channel. Perfect for monitoring NOAA "weather" broadcasts.
Busy Channel Lockout	Disables transmitter from use	Configure the radio to prohibit transmission if the channel is in a muted state, busy, and/or when a CTCSS tone is received unmatched.
Priority Channel	Selects A or B priority channel	Easy selection of priority (home) channel for instant access.
Priority Re-write	Re-assigns priority A channel	Allows user to re-assign priority A channel as needed.
Scan Start/Stop	Enables/ disables scanning function	Provides scanning control.
Lock	Disables most functions from programmable keys	Electronically locks all programmable keys, except call, monitor and emergency ID functions.
Monitor	Un-mutes audio channel	Muted channels can be "monitored" to check for traffic
Wide/Narrow	Selects bandwidth	Both narrow (12.5 kHz) and wide (25 kHz) channel widths can be selected on a per channel basis, for compatibility with wide/narrow systems.
High/Low	Selects transmitter power output levels	Selects low 1, low 2, or high-powered settings. Allows only the level of transmitter power needed, for reduced power supply consumption.
Talk Around	Allows transmit on receive frequency in duplex channels	Provides direct, mobile-to-mobile communications, avoiding needless repeater use and congestion. Also provides direct communications when out of range of repeater system.
Call	Transmits MDC, 2/5 tone calling code	Alerts the other user's receiver, opening the audio to monitor the transmission. Perfect for "toning out" additional fire companies for the fire service changing, even with a gloved hand
Emergency	Activates emergency call	Provides single or repeated emergency ID transmissions. Cancelled by a simple "push and hold" function or with over the air cancel code (5-tone systems).
DTMF	Sends DTMF auto dial number	Transmits the DTMF auto dial code when user pushes the assigned key.
Scrambler	Enables/disables voice scrambler function	Provides control of the two optional voice scramblers. Gives access to activate voice encryption and communications privacy.

FEATURE	FUNCTION	BENEFIT
SOFTWARE IMPROVEMENTS		
Grid or List Style of Data Entry	Allows direct channel data entry	Streamlines channel entry, scan, list, and calling code data for large systems.
Improved Help Screens	Helps you program your radios	Provides detailed instructions for each programming option, help screens are structured identical to programming "tree" to provide ease in locating specific information.
Imbedded Electronic Serial Number (ESN)	Provided "hard coded" internal serial number	Prevents loss/theft by utilizing hard coded ESN that is encoded by the Icom factory. There is no way to change ESN (even by Icom factory). This improves security by identifying radio through permanent ESN.

For more information about this or any of Icom's quality products, as well as information about your nearest Icom dealer, please contact us.

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