



IDAS™ calling features

IDAS supports following calling features in digital conventional mode.



Selective call, group call and talkgroup ID

The IDAS system allows you to call individual or group users. IDAS radios automatically send their own ID number when the PTT button is held down. IDAS radios memorize up to 500 of both individual/group ID numbers and alias names in the table. The alias name or individual/group ID is displayed on the LCD while receiving a message allowing you to identify who is calling.

Talk back function and call mode selection

When the talk back function is enabled, the IDAS radio automatically selects the received talkgroup or individual ID to reply to the received call, while the talk back timer remains. After the talk back timer is exceeded, the IDAS radios will set to an initial call mode depending on programming which is either talkgroup or individual call or retain the previous user call mode selection.

Digital voice scrambler

When secure communication is required, the IDAS system provides a digital voice scrambler using a 15-bit key (about 32,000 codes) as standard. This is added security to the digital modulation/demodulation.

Emergency call functions

When the emergency button is pushed, an emergency signal will be automatically

sent to the dispatcher or another radio. Other emergency features are a man down feature*¹ and a lone worker function, available for automated emergency calls (in digital and analog modes). A remote radio monitor function allows the dispatcher to turn on the PTT button from a remote location and transmit anything the microphone hears for a preprogrammed time period.

*¹ Optional UT-124R required.

Status message

You can set up to 100 conditions such as "on duty", "at lunch" or "in route". This message will be sent each time the PTT button is pushed until the status message feature is turned off. Also, you can request another unit to send their status and receive it.

GPS position reporting

When used with the HM-170GP GPS speaker microphone for the handheld IDAS radio or an external, third-party GPS for the mobile IDAS radio, you can send your current position information to another radio or the dispatch. Three different sending intervals can be programmable: on PTT; when polled; or at periodic times. When connected to a PC that has mapping software installed, the dispatch will know the real-time activity of the fleet members.

Radio kill, stun and revive

The radio kill function disables a lost

or stolen radio over the air, eliminating security threats from undesired listeners. When the radio stun command is received, all functions will be temporary locked out until the revive command is received or the user password is entered. The IDAS radio can also send radio stun, kill and revive commands.

RAN for digital code squelch

The RAN (Radio Access Number) code is the digital equivalent of CTCSS for accessing an IDAS repeater or digital squelch function.

Short Data Message capability

Short data messages of up to 12 characters may be sent and received between IDAS radios or from the remote communicator.

Other features

- Radio check function allows you to verify if another radio is within communication range
- Call log displays the received call history
- Call alert function notifies receiving party that a call is coming with a beep sound and blinking icon
- Base station operation for repeater
- Late entry: IDAS radio can decode the received ID and show group ID, unit ID or alias name on the display even when turned on during a conversation.

