

# Wireless Monitoring and Alerting

[Works with Business Band 2-way Radios]

2nd Generation

## QuickTalk™ RQT Wireless Voice Alert

### Get More Out of Your 2-way Radio System...

Wireless alerting empowers your staff to respond quickly to emergencies, to prevent costly damage or disruptive downtime. Connect virtually any switch or sensor (up to 4), to the QuickTalk Transmitter and record a unique voice message for each one. When the status of the switch/sensor changes, your recorded message is automatically transmitted via radio directly to your 2-way radio equipped personnel.

### Key Features/Benefits of the RQT QuickTalk:

- UHF 450-470MHz, VHF 150-165MHz, VHF MURS License-FREE
- Analog, Narrow Band Only (12.5kHz) Operation
- **New!** 2 Watt Models Available
- **New!** Monitor Up To 4 Switch Inputs
- **New!** Multi-Channel/Frequency Capability. Each input can be programmed to transmit on a different frequency, (e.g. Input 1 transmits on the Maintenance channel; Input 2 Security; Input 3 Operations).
- **New!** Optional, Internal, 433MHz UHF Receiver. Receiver allows remote keyfob activation (e.g. Emergency Call Button) from up to a few hundred feet away.
- **New!** Easy to record voice messages.
- **New!** PC Programmable
- Designed and Assembled In The USA



# Send Wireless Voice Alerts To Your 2-Way Radios or PA System!



**Optional 433MHz Receiver For Keyfob /Activation (Radio Order # RQT-XXX-RCVR)**

**Receive/Transmit Frequency:** 433.92 MHz

**Receiver Programming:** On-board pushbutton while receiving keyfob transmission

**Receiver Installation:** Factory installed within RQT enclosure includes receiver antenna.

**Receiver Capacity:** Unlimited number of keyfob's can be programmed to trigger any of the 4 standard inputs

**Keyfob Power/Range:** 80µV/m max, Up to 250 ft. –range depends on building structure and topography

**Keyfob Programming:** jumper programming

**Keyfob Battery:** 3V CR2032 lithium button cell

**Keyfob Buttons:** Single button standard, optional multi-button up to 5

**Keyfob Dimensions:** 2.23" H x 1.37" W x .45" D

Note: With Optional internal 433 MHz receiver, the RQT MUST be powered with external power supply – use Ritron p/n RPS-Expo.



**Call Button/Panic Alarm** –A stainless steel push button assembly (p/n #RPB-1AG), connected to the QuickTalk provides an effective push button alerting solution. With a simple push of a button, a custom pre-recorded alert message is transmitted directly and discretely to radio equipped personnel.



**Door Alarm** –A magnetic door switch connected to a QuickTalk transmitter allows easy monitoring of open doors, windows, tool cribs, etc. It can also be programmed to monitor and alert when a “propped” door condition is detected.



**Power ON/Fail Alarm** –With the Power-Out Alert connected to a QuickTalk, it can detect a loss of AC power and immediately trigger the QuickTalk to send an alert to all radio equipped personnel. It even works through repeaters!



**Temperature Alert** –This device connected to a QuickTalk lets you monitor and receive voice alerts for pre-set high or low temperatures. Use for monitoring the environments of livestock, produce, refrigerated units, and computer rooms.



**Liquid Level** –Monitor liquid levels. A simple marine grade liquid level switch connected to a QuickTalk can help provide an early warning alert for both high and low level conditions.



**Wireless Shopper Callbox** –The RQA offers the same basic voice-alerting features and battery powered operation as the RQT, with the exception that it is a turn-key package complete with “How Can We Help” label, red push button, and LED transmit indicator.

Models	RQT-451 (UHF) RQT-452 (UHF)	RQT-151 (VHF) RQT-152 (VHF)	RQT-151M (VHF) RQT-152M (VHF)
<b>FCC ID:</b>	<u>AIERIT32-451</u>	<u>AIERIT32-151</u>	<u>AIERIT32-151M</u>
<b>FCC Rule Parts:</b>	90	90	95J
<b>Frequency Range:</b>	450 to 470 MHz	150-165 MHz	150-165 MHz MURS frequencies only Narrow and Wide Band
<b>Bandwidth:</b>	Narrow Band Only	Narrow Band Only	Narrow and Wide Band
<b>No. of Channels:</b>	4	4	4
<b>Synthesizer Step Size:</b>	6.25 kHz	2.5 kHz	2.5 kHz
<b>Frequency Stability (-30° to +60° C):</b>	+/-2.5 PPM	+/-1.5 PPM	+/-1.5 PPM
<b>Emission Designators:</b>	11K0F3E	11K0F3E	11K0F3E narrow 16K0F3E wide
<b>Deviation:</b>	+/- 2.50 kHz	+/- 2.50 kHz	+/- 2.50 kHz narrow +/- 5.0 kHz wide
<b>FM Hum and Noise:</b>	-35 dB	-40 dB	-40 dB narrow -46 dB wide
<b>Audio Distortion:</b>	< 6 %	< 6 %	< 6 % narrow < 3 % wide
<b>RF Power Output:</b>	120 mW (RQT-451) 2 Watt (RQT-452)	120 mW (RQT-151) 2 Watt (RQT-152)	120 mW (RQT-151M) 2 Watt (RQT-152M)
<b>All Models</b>			
<b>Coded Signaling Encode:</b>	CTCSS, Quiet Call, 51 Tones DCS, Digital Quiet Call, all codes DTMF ANI 3-7 tone Selcall		
<b>Typical Range:</b>	One half mile to a handheld radio transceiver using the standard flexible antenna. Greater range is possible if optional antenna (RAM-1545), or a radio repeater is used.		
<b>Battery Life:</b>	1 year when using AA batteries and the unit transmits a 5 second message once each hour, 24 hours per day, 5 days per week or approximately 7,000 transmissions.		
<b>Internal Battery:</b>	6 AA batteries. (Lithium-Ion batteries, none rechargeable)		
<b>External Power:</b>	12 - 18 VDC, Use Ritron p/n# RPS-EXPO		
<b>Antenna Connector:</b>	BNC, 50 Ohms, front panel mounted		
<b>Antenna:</b>	Ritron AFB-1545 Standard Antenna, Flexible Whip, 14 inches long with elbow connector.		
<b>Housing:</b>	Polycarbonate		
<b>Dimensions:</b>	7.57" x 5.07" x 2.65" (19.23cm x 12.88cm x 6.73cm)		
<b>Weight:</b>	1 pound, without batteries and antenna		
<b>Number of Switch Inputs:</b>	4 Momentary, Latching, Analog Voltage or Resistance		
<b>Voice Message Length:</b>	24 seconds total for all voice messages, equally allocated to the programmed inputs		
<b>Auxiliary Messages: (Fixed Time)</b>	Low Battery (2 seconds) External Power Failure (2 seconds) Location (2 seconds) One location message per RQT. Precedes voice message for each input.		
<b>Programming Method:</b>	User Programmable with Ritron RQA/RQT PC Programmer via USB		
<b>Programmable Features:</b>	<ul style="list-style-type: none"> <li>- 4 independently programmed inputs</li> <li>- Analog or digital input operation</li> <li>- Event driven and/or scheduled transmission of input status</li> <li>- Compressed transmitted audio (compatible with compacted radios)</li> <li>- Preamble alert tone prior to transmitter voice message (selectable On/Off)</li> <li>- Unique, user recorded voice messages</li> <li>- Voice message recording via on-board microphone or pre-recorded .wav file</li> <li>- External power failure and low battery alert</li> </ul>		

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