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

MADE IN THE USA

QuickTalk™
wireless voice alert
RQT

Optional Keyfob Activation

RITRON ®
WIRELESS SOLUTIONS

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

LoudMouth Wireless PA System

PT Portable Radio

Ritron Base Station

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 and 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)
FCC ID:	AIERIT32-451	AIERIT32-151	AIERIT32-151M
FCC Rule Parts:	90	90	95J
Frequency Range:	450 to 470 MHz	150–165 MHz	150–165 MHz MURS frequencies only
Bandwidth:	Narrow Band Only	Narrow Band Only	Narrow and Wide Band
No. of Channels:	4	4	4
Synthesizer Step Size:	6.25 kHz	2.5 kHz	2.5 kHz
Frequency Stability (-30° to +60° C):	+/-2.5 PPM	+/-1.5 PPM	+/-1.5 PPM
Emission Designators:	11K0F3E	11K0F3E	11K0F3E narrow 16KOF3E wide
Deviation:	+/- 2.50 kHz	+/- 2.50 kHz	+/- 2.50 kHz narrow +/- 5.0 kHz wide
FM Hum and Noise:	-35 dB	-40 dB	-40 dB narrow -46 dB wide
Audio Distortion:	< 6 %	< 6 %	< 6 % narrow < 3 % wide
RF Power Output:	120 mW (RQT-451) 2 Watt (RQT-452)	120 mW (RQT-151) 2 Watt (RQT-152)	120 mW (RQT-151M) 2 Watt (RQT-152M)

	All Models
Coded Signaling Encode:	CTCSS, Quiet Call, 51 Tones DCS, Digital Quiet Call, all codes DTMF ANI 3-7 tone Selcall
Typical Range:	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.
Battery Life:	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.
Internal Battery:	6 AA batteries. (Lithium-Ion batteries, none rechargeable)
External Power:	12 - 18 VDC, Use Ritron p/n# RPS-EXPO
Antenna Connector:	BNC, 50 Ohms, front panel mounted
Antenna:	Ritron AFB-1545 Standard Antenna, Flexible Whip, 14 inches long with elbow connector.
Housing:	Polycarbonate
Dimensions:	7.57" x 5.07" x 2.65" (19.23cm x 12.88cm x 6.73cm)
Weight:	1 pound, without batteries and antenna
Number of Switch Inputs:	4 Momentary, Latching, Analog Voltage or Resistance
Voice Message Length:	24 seconds total for all voice messages, equally allocated to the programmed inputs
Auxiliary Messages: (Fixed Time)	Low Battery (2 seconds) External Power Failure (2 seconds) Location (2 seconds) One location message per RQT. Precedes voice message for each input.
Programming Method:	User Programmable with Ritron RQA/RQT PC Programmer via USB
Programmable Features:	- 4 independently programmed inputs - Analog or digital input operation - Event driven and/or scheduled transmission of input status - Compressed transmitted audio (compatible with companded radios) - Preamble alert tone prior to transmitter voice message (selectable On/Off) - Unique, user recorded voice messages - Voice message recording via on-board microphone or pre-recorded .wav file - External power failure and low battery alert

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