New!

Q Series

2-Way Radio Callbox

Narrowband Analog

MADE IN THE
USA

Put Communication Right Where You Need It!
Install the Q Series radio callbox virtually anywhere to maximize manpower efficiency, improve safety or service response times. Deploys easily — no wires, no trenching, no construction required. Can be used stand-alone using alkaline batteries* or can be powered using external AC adapter.

The Q Series callbox provides long range, 2-way communication and allows staff and visitors to communicate with your 2-way radio-equipped personnel from points near and far, — the plant floor, maintenance garage, gated areas, delivery dock or the 9th tee.

Features / *Benefits:*

- Wireless, 2-Way, Push-To-Talk Narrowband Analog Technology
  No Costly Trenching or Construction Costs To Install

- High Performance/Features, Business Band Frequencies
  *Long Range — Up to1 Mile,** Line-Of-Sight. Works With Any Other Analog Business Band 2-Way Radio*

- Rugged, High-Impact Gasket Sealed Enclosure
  Durable, Sealed and Weatherproof For Outdoor Use

- Internal Antenna, Tough, Machined Aluminum PTT Button
  Long-Life, Tamper and Vandal-Resistant

- Battery* Powered or External Power Capable
  Stand-Alone Operation. No Wires. Or Opt. External Powered for Always-On Operation
  For optimal performance in battery only applications, Auto Turn-Off should be Enabled.

- High-Audio Output, High-Gain Mic Capability
  Adjustable Volume - Loud, Easy To Hear In Loud Environments

- User Adjustable Settings and PC Programmable
  Allows Easy, In-The-Field Programming or via PC

- Built-In Relay Control (7 series models only)
  Allows Long-Range, Remote Control Of Gates Or Doors

- Standard Flange Mount Hole Pattern
  Easy Installation. Optional Mounting Brackets Available

- Available In Different Colors
  Pick The Color Best Suited To Meet Your Need:
  • High Visibility Green and Coal Black
  • Custom Colors Available For Volume Applications

RITRON ®
WIRELESS SOLUTIONS

Applications... *Schools and Day Cares • Manufacturing and Construction Sites • Health Care Facilities • Golf Courses • Gate Secured Areas • Amusement Parks and Resorts*

Compatible Ritron Products...

Base Station 2-Way Radios

Portable 2-Way Radios

Wireless PA System

DoorCom® Wireless Intercom

MADE IN THE USA

Accessories...

Goose Neck
Mounting Bracket

External Antenna
(requires opt. cable)

External AC Power Adapter

Strobe Light

Solar Power Kit

Models	Description	TX Pwr Using 3 D-Cells	TX Pwr Using Ext 12VDC Pwr	(7 Series) Includes Built-In Relay, Stored-Voice Msg, Switch Inputs
RQX-111M	MURS VHF, Part 95 License-Free	800mW	2 Watts	No
RQX-x11	(1)VHF 150-165MHz or (4)UHF 450-470MHz, Part 90 Licensed	(V)800mW, (U)700mW	2 Watts	No
RQX-117M	MURS VHF, Part 95 License-Free	800mW	2 Watts	Yes
RQX-x17	(1)VHF 150-165MHz or (4)UHF 450-470MHz, Part 90 Licensed	(V)800mW, (U)700mW	2 Watts	Yes

No. of RF Channels:	1
Companded Audio	On / Off – Field programmable or via PC
Signaling:	CTCSS & DCS Encode/Decode, DTMF Encode/Decode, SelCal Encode/Decode, 2-Tone Decode Only
Dimensions:	7" H x 5" W x 3" D
Weight:	2.75 lbs
Enclosure Material:	Gasket Sealed, High-Impact Polycarbonate
Colors:	Black or High-Viz Green
Environmental:	Splash resistant, shock and vibration per Ritron test
Operating Temperature:	-20°C to +55°C (-4°F to 131°F) Note: Alkaline battery* capacity rating at 0°C is < 50% of rated pwr. Range will decrease at low temperatures when operating on alkaline batteries.
Programming:	Field programming capability of limited parameters. Full programming capability using internal USB Connector used for full PC Programming.
Remote Control Relay: (7 Series)	Can be used to remotely control gates, doors or strobe light. Relay switch is controlled when callbox receives the pre-programmed selective signaling command code. SPDT, 3A, 125VAC/30VDC – Normally Open or Normally Closed (NO Default). Modes of Operation: Momentary or Toggle, On/Off.
Aux Sensor Monitoring Input: (7 Series)	Optional sensors used to detect motion, gate movement, vandal/tamper or vehicle presence can be connected to the callbox using the sensor input. Sensor input responds to an Open or Closed switch. Callbox will send either an alarm tone or a recordable voice message when optional switch/sensor detects a change. Can also be programmed to automatically turn callbox ON and transmits recordable voice message or alarm tone to radios monitoring callbox activity.
Adjustable Speaker Volume:	Adjustable 1 to 100%
Automatic Turn-Off Feature*:	Conserves batteries. Selectable turn-off times will automatically turn callbox off after a set period of inactivity on the radio channel.
Listen-In Feature:	Callbox can be selectively paged to allow remote monitoring of audio in the vicinity of the callbox.
Busy Channel TX Inhibit:	Prevents Callbox from transmitting if someone else is using the radio channel

Recordable Voice Messages (7-Series only)

1. Greeting Message:	12 sec length max, for benefit of visitor, plays only on the callbox speaker when the On/PTT button is 1st pressed.
2. Send Call Alert Message:	4 sec length max, transmitted to radios monitoring callbox activity when On/PTT button is 1st pressed.
3. Send Sensor ON Message:	4 sec length max, transmitted to radios monitoring callbox activity when the Sensor Input goes low.
4. Send Sensor OFF message:	4 sec length max, transmitted to radios monitoring callbox activity when the Sensor Input goes high.
5. Send Low Battery Message:	4 sec length max, transmitted to radios monitoring callbox activity when low battery is detected.
6. Send Power Fail Message:	4 sec length max, transmitted to radios monitoring callbox activity when loss of External 12 VDC is detected.
Automatic Voice Message "Re-Send":	When Alert message from Callbox is not immediately answered, Alert message will automatically be "re-sent" up to 5 times. Selectable 0-5 times.

Battery Life***

3 D-Cell Batteries:	Alkaline (Ritron recommends Duracell brand cells), also rechargeable, low self discharge (LSD) NiMH batteries may be optimal for heavy usage applications where battery only operation is the only option. Go to www.ritron.com/BLcalculator to determine best option.
Number of Transmissions:	7,000 based on duty cycle stated below
Duty Cycle:	3 seconds receive, 3 seconds transmit, 10 seconds standby

* For optimal performance in battery only applications, Auto Turn-Off should be Enabled.

** Actual range may be reduced by man-made obstructions, foliage, or terrain.

*** Each callbox application is unique, to compute the expected battery life of your callbox application, visit the Ritron Battery Life Calculator at www.ritron.com/BLcalculator.

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