Q SERIES ANALOG CALLBOX

Narrowband Analog Q Series radio callbox can be installed virtually anywhere to maximize manpower efficiency, improve safety or service response times. Deploys easily – no wires, trenching or 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. Dimensions - 7"H x 5"W x 3"D

Model (Q1 Series)

RQX-111M *	Analog MURS VHF License-Free, RELAY, Hi-Viz GREEN Color
RQX-111M-BLK*	Analog MURS VHF License-Free, RELAY, BLACK Color
RQX-111	Analog VHF 150-165MHz (Part 90), RELAY, Hi-Viz GREEN Color
RQX-111-BLK	Analog VHF 150-165MHz (Part 90), RELAY, BLACK Color
RQX-411	Analog UHF 450-470MHz (Part 90), RELAY, Hi-Viz GREEN Color
RQX-411-BLK	Analog UHF 450-470MHz (Part 90), RELAY, BLACK Color

Model (Q7 Series) w/ Built-in Relay Control, Recordable Voice Message Capability and Dry-Contact Switch Inputs

RQX-117M *	Analog MURS VHF License-Free, RELAY, Hi-Viz GREEN Color
RQX-117M-BLK*	Analog MURS VHF License-Free, RELAY, BLACK Color
RQX-117	Analog VHF 150-165MHz (Part 90), RELAY, Hi-Viz GREEN Color
RQX-117-BLK	Analog VHF 150-165MHz (Part 90), RELAY, BLACK Color
RQX-417	Analog UHF 450-470MHz (Part 90), RELAY, Hi-Viz GREEN Color
RQX-417-BLK	Analog UHF 450-470MHz (Part 90), RELAY, BLACK Color

7 Series Includes:: #60201124 cable assembly, 6-conductor w/ Heyco strain relief. External Power Requires Optional RPS-EXPO Power Supply

* VHF MURS Part 95 License-Free Business. Frequency List: 151.820, 151.880, 151.940, 154.570, 154.600

VHF MURS Only PC Programmer (RQX-PCPS-MURS) available as a free download at Ritron.com/tools.   (Requires 5-pin to Mini-USB cable (60201119)

Includes:
- FCC and ISED Canada Approved. Call for unique -CANADA PN's.
- Battery Powered or *External Power Capable (Requires *RPS-EXPO)
- Rugged, Polycarbonate Gasket-Sealed Enclosure -Black or Hi-Viz Green
- Vandal-Resistant, Built-In Antenna
- Vandal-Resistant, 1,000,000 Cycle, Aluminum PTT Button
- D-Cell (3) Battery Tray (batteries not included)
- Integrated Speaker & Microphone
- Field-Programmable and PC Programmable
- Metal Wall-Mount Brackets (2), for flat surface, 4 Screws
- T-25 Torx Bit (hollow point type)
- 1 Year Factory Warranty.
- Designed and Made in the USA

Model Numbering Key

M: denotes MURS Frequencies only (Note: For Part 90 licensed VHF frequencies you must order the non-M VHF model)
7: denotes advanced feature model i.e. built-in relay control, recordable voice messages and 1 dry-contact switch input.
-BLK: denotes housing color is black. (Default color is Hi-Viz Green)

Model	Transmit Power If Operating On D-Cell Batteries	Transmit Power If Operating On External 12VDC Power (#RPS-EXPO)
All VHF Models	800mWatts	2 Watts
All UHF Models	700mWatts	2 Watts

Accessories Q Series Callbox

RQX-PCPK-1	PC Programming Kit, Includes: Software CD and radio to PC cable, 5-pin USB to Mini-USB 60201119
RQX-PCPS-1	PC Software CD Only.
RQX-PCPS-MURS	PC Software, MURS only, Free download at ritron.com/tools (Requires 5-pin to Mini-USB cable (60201119) See ritron.com/tools
RQX-Q-GN	Mounting Plate, For Gooseneck Post, Q Series, Stainless Steel (includes hardware to attach plate to callbox)
RK-RQX-Q-MB	Mounting Bracket Kit
60201124	Cable, 6-Conductor, with Heyco strain relief. Provides connection points to external power, and if 7-Series relay control and switch input features of the callbox.
RPS-EXPO*	AC Adapter only (110VAC-12VDC) external power supply, permits operating callbox on external power
RPS-Q-EXPO-PLUS	Bundle, Includes both RPS-EXPO AC Adapter and #60201124 Cable, 6-Conductor w/ Heyco strain relief
RSS-100	Solar Panel Kit, Weather-proof enclosure, 10W solar panel, charge controller, gel-cell battery, mounting hardware. RSS-100 supports callbox if Auto Turn-OFF is enabled. *If Always-ON required, contact the Ritron Sales Department with application details and a quote will be provided.*
60201125	Cable, Internal, SMB to BNC connector. Permits retrofit and use of external antenna. Does not include antenna.
RAM-45	Antenna, UHF Only, Magnetic Mount, 12ft co-axial cable, BNC Connector. (requires 60201125 cable)
RAM-1545	Antenna, VHF/UHF, External Magnetic Mount, with 20ft cable and BNC connector (requires 60201125 cable)
25107400	Torx Bit (hollow point type), Replacement, T-25 for Q Series callbox tamper resistant fasteners
60201119	Programming Cable, PC to radio callbox, 5-Pin USB to Mini-USB. Connects Q Series callbox to PC

DMR SERIES, DMR DIGITAL ONLY CALLBOX

DMR Digital <u>Only</u>. DMR Tier-2, Conventional Standard, 12.5KHz Channels

Position the Ritron DMR Series digital callbox virtually anywhere to maximize manpower efficiency, improve safety and/or service response times. The DMR Series, like other Ritron products, is a purpose-built, ground-up radio design, not a portable radio in a box. Deploys easily — no wires, no trenching, no construction required. Can be used stand-alone using alkaline batteries and the "auto turn-off" feature, which works to conserve battery life or it can be powered externally for "always on" applications using an external AC adapter.

The DMR Series callbox provides crisp, clear, long-range 2-way voice communication, permitting co-workers and visitors to communicate with your DMR radio-equipped staff from points near and far - from the plant floor, back door, maintenance garage, gated entry area, delivery dock or the parking lot.

Model	Description
RQX-417DMR	UHF 450-470MHz (Part 90) DMR Digital RELAY, Hi-Viz GREEN
RQX-417DMR-BLK	UHF 450-470MHz (Part 90) DMR Digital RELAY, BLACK
RQX-417DMR-XT	UHF DMR Digital w/ relay & Voice Storage, Vandal Resistant
	Call Sales for Candian Part Numbers

Includes: Battery Holder (3 D cells), Built-In Relay, Built-In Antenna, Recordable Voice Messages, Dry-Contact/Switch Input, Standard Wall Mount Bracket, Cable Assembly 6-conductor w/ Heyco strain relief #60201124. External Power Requires RPS-EXPO External Power Supply.

- Above Models are both FCC and ISED Canada Approved
- DMR Digital, Voice, Tier-2 Conventional Standard, TDMA,12.5KHz Channels
- 16 Color Codes / Subscriber Unit ID (SUID) / Destination ID (Individual / Group Selective Call / All-Call)
- Built-In Antenna
- Provision to attach external antenna with #60201125
- Battery Powered Capable (Auto-Off) or External Power Capable. Built-In Remote Control Relay - Ideal For Access Control. Normally Open (Factory Default) or Normally Closed Contact.
- Measures only: 7" H x 5" W x 3" D
- Field-Programmable or PC Programmable
- Hi-Viz Green or Black Enclosure Color Choice

- D-Cell (3) Battery Tray (batteries not included)
- Dry-Contact Input for optional sensor input Feature e.g. motion/tamper / ground loop "magnetometer" vehicle detector
- Recordable, Stored Voice Message Feature: Greeting Message / Call Alert Message / Low Battery Message / 12VDC Power Fail Message / Sensor On / Sensor Off Message
- Vandal-Resistant, 1,000,000 Cycle, Aluminum PTT Button
- Rugged, Polycarbonate Gasket-Sealed Enclosure with Torx Security Fasteners
- Metal Wall-Mount Brackets (2), for flat surface, 4 Screws
- T-25 Torx Bit Included
- 1 Year Factory Warranty.
- Designed and Made in the USA

Model:	Transmit Power If Operating on 3 D-Cell Batteries	Transmit Power If Operating On External 110VAC-12VDC Power Supply (#RPS-EXPO)
RQX-417DMR, UHF callbox	700mWatts	2 Watts

Accessories Q-Series Callbox

Model	Description
RQX-PCPK-1	PC Programming Kit, Includes: Software CD and radio to PC cable, 5-pin USB to Mini-USB #60201119
RQX-PCPS-1	PC Software on USB Thumb Drive
RQX-Q-GN	Mounting Bracket, Fits Gooseneck Post, Q Series, Stainless Steel (includes hardware to attach to callbox)
RK-RQX-Q-MB	Replacement, Mounting Bracket Kit
60201124	Cable, 6-Conductor, with Heyco strain relief. Provides connection points to external power, *relay control and *switch input features of the callbox. Features with "*" only available in 7 Series callbox.
RPS-EXPO	AC Adapter only, 110VAC - 12VDC, external power supply, permits operating callbox on external power
RPS-Q-EXPO-PLUS	Bundle, Includes both RPS-EXPO AC Adapter and #60201124 Cable, 6-Conductor w/ Heyco strain relief
RSS-100	Solar Panel Kit, Weather-proof enclosure, 10W solar panel, charge controller, gel-cell battery, mounting hardware. RSS-100 Supports callbox if Auto Turn-Off is enabled. If Always-ON required, contact Ritron Sales with application details and a quote will be provided.
60201125	Cable, Internal, SMB to BNC connector. Permits retrofit and use of external antenna. Does not include antenna.
RAM-45	Antenna, UHF Only, Magnetic Mount, 12ft co-axial cable, BNC Connector. (requires #60201125 cable)
RAM-1545	Antenna, VHF/UHF, External Magnetic Mount, with 20ft cable and BNC connector (Requires #60201125 cable)
25107400	Torx Bit (hollow point type), Replacement, T-25 for Q Series callbox tamper resistant fasteners
60201119	Programming Cable, PC to radio callbox, 5-Pin USB to Mini-USB. Connects Q Series callbox to PC

XD SERIES - NXDN™ DIGITAL AND ANALOG CALLBOX

XD Series Callbox - NXDN™ Digital (6.25KHz) and Analog Narrowband (12.5KHz) Capable.

Can be installed virtually anywhere to maximize manpower efficiency, improve safety or service response times. Deploys easily, no wires, trenching or construction required. Can be used stand-alone using 3 D-cell alkaline batteries or can be powered using external AC adapter.

The XD Series callbox provides long range, 2-way communication and allows staff and visitors to communicate with 2-way radio-equipped personnel from points near and far, -- the plant floor, maintenance garage, gated areas, delivery dock or the 9th tee. Dimensions - 7"H x 5"W x 3"D

Model	Description
Includes: Built-In Relay Control, Recordable Voice Messages and Dry-Contact Switch Input	
RQX-117NX	VHF 150-165MHz (Part 90) NXDN™ Digital/Analog, RELAY, Hi-Viz GREEN
RQX-117NX-BLK	VHF 150-165MHz (Part 90) NXDN™ Digital/Analog), RELAY, BLACK
RQX-417NX	UHF 450-470MHz (Part 90) NXDN™ Digital/Analog), RELAY, Hi-Viz GREEN
RQX-417NX-BLK	UHF 450-470MHz (Part 90) NXDN™ Digital/Analog), RELAY, BLACK
RQX-417NX-XT	UHF 700mW NXDN Digital w/relay & voice storage. Vandal Resistant

- FCC & ISED Canada Approved. Call for unique Canadian PN's
- NXDN™ Digital Only (6.25KHz) or Analog (12.5KHz) Voice Capability
- Built-In Remote Control Relay Ideal For Access Control Apps
- Recordable, Stored Voice Messages
- Dry-Contact Input for optional sensor trigger
- Battery Powered Capable (Auto-Off) or *External Power Capable
- Rugged, Polycarbonate Gasket-Sealed Enclosure
- Internal Antenna
- Vandal-Resistant, 1,000,000 Cycle, Aluminum PTT Button
- Analog Signalling: CTCSS/DCS, 2-Tone Decode, DTMF/Selcall Encode/Decode

- Digital Signalling: 64 RAN Codes, Subscriber ID SUID, Destination ID (Individual & Group Selective Call, All-Call)
- D-Cell (3) Battery Tray (batteries not included)
- Integrated Speaker & Microphone
- Hi-Visibility Green and Black Enclosure Color Choice
- Field-Programmable or PC Programmable
- Metal Wall-Mount Brackets (2), for flat surface, 4 Screws
- T-25 Torx Bit (hollow point type)
- Measures: 7" H x 5" W x 3" D
- 1 Year Factory Warranty.
- Designed and Made in the USA

Notes:

    *Requires RPS-EXPO External Power Supply.

    7 Series callboxes include #60201124 cable assembly, 6-conductor w/ Heyco strain relief.

Model Numbering Key

7:   denotes advanced feature model i.e. built-in relay control, recordable voice messages and 1 dry-contact switch input.

Model	Transmit Power If Operating On 3 D-Cell Batteries	Transmit Power If Operating On External 12VDC Power (#RPS-EXPO)
VHF Models	800mWatts	2 Watts
UHF Models	700mWatts	2 Watts

Accessories Q-Series Callbox

Model	Description
RQX-PCPK-1	PC Programming Kit. Includes: Software CD and radio to PC cable, 5-pin USB to Mini-USB #60201119
RQX-PCPS-1	PC Software on USB Thumb Drive
RQX-Q-GN	Mounting Plate, For Gooseneck Post, Q Series, Stainless Steel (includes hardware to attach plate to callbox)
RK-RQX-Q-MB	Mounting Bracket Kit
60201124	Cable, 6-Conductor, with Heyco strain relief. Provides connection points to external power, *relay control and *switch input features of the callbox. Features with "*" only available in 7 Series callbox.
RPS-EXPO	AC Adapter only 110VAC-12VDC external power supply, permits operating callbox on external power
RPS-Q-EXPO-PLUS	Bundle, Includes both RPS-EXPO AC Adapter and #60201124 Cable, 6-Conductor w/ Heyco strain relief
RSS-100	Solar Panel Kit, Weather-proof enclosure, 10W solar panel, charge controller, gel-cell battery, mounting hardware RSS-100 supports callbox if Auto Turn-OFF is enabled. *If Always-ON required, contact the Ritron Sales Department with application details and a quote will be provided*
60201125	Cable, Internal, SMB to BNC connector. Permits retrofit and use of external antenna. Does not include antenna.
RAM-45	Antenna, UHF Only, Magnetic Mount, 12ft co-axial cable, BNC Connector. (requires #60201125 cable)
RAM-1545	Antenna, VHF/UHF, Magnetic Mount, with 20ft cable and BNC connector (requires #60201125 cable)
25107400	Torx Bit (hollow point type), Replacement, T-25 for Q Series callbox tamper resistant fasteners
60201119	Programming Cable, PC to radio callbox, 5-Pin USB to Mini-USB. Connects Q Series callbox to PC

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RBS SERIES, DMR DIGITAL / ANALOG 2-WAY BASE STATION / INTERCOM

Always Ready... Always There... Always On!

- Digital DMR and Analog Narrow Band Capability
- Tier-2 DMR Digital
- Rugged, All-Metal Housing, Durable Powder-Coat Finish
- Configurable for radio repeater operation
- Small SIZE: 5.59"H X 3.786"W X 1.387"D
- 2.5 Watt Transmitter
- LCD Display, 2-line, Backlit, 8 Alphanumeric Characters Per LIne
- 20 Channels/RX Groups, 48 Contacts Capacity. Any combination of 48 Contacts Per Channel
- 2 Programmable function buttons (PFB) allows quick access to radio features/functions/contact list
- Loud, 1 Watt Audio Output
- 1 Year Warranty
- Audio Accessory Connector - Hand Mic/Ear Loop/External Speaker

Designed and Made in the USA
*Requires PC Programming Software Kit for Configuration

Model	Description
RBS-477DMR	UHF, 450-470MHz, DMR Digital Analog, 2.5W TX
	LCD Display, 2-Line, 8 Character per Line, Alphanumeric, 20 Channels, 2PFB's, 110-220VAC or 12VDC Powered
	Includes: Dual Band Flex antenna with BNC connector, Audio Connector, 110-220V AC adaptor.

Country Approvals: *FCC and ISED Canada Approval*

Accessories

RBS-PCPK-1-USB	Kit: PC Programmer software & USB 5-pin to mini USB radio cable
RBS-PCPS-1-USB	PC Programming Software only on USB thumb drive

Base Station Antenna Accessories

AFB-1545	Replacement, Flex Antenna, BNC male, w/ 90° pivot, VHF/UHF
RAM-1545	Magnetic Mount BNC Wire Antenna, 25 Ft Coax Cable VHF/UHF
RAM-45	Magnetic Mount BNC Wire Antenna, 12 Ft Coax Cable UHF

Base Station Installation and Power Accessories

JBS-MMK	Wall or Mobile Mounting Bracket for JBS/PBS Series Radio (Does not include screws to mount bracket to wall or vehicle)
JBSK-12	12 VDC Install Kit, Cables and Mounting Bracket
RPS-1B	Replacement AC Power Supply,(replaces RPS-1A)
60201119	Programming Cable, PC to radio, 5 Pin USB to mini USB

Audio Accessories

RM-7	Hand Microphone with Hang-Up Bracket
RSM-3XA	Speaker Microphone with swivel spring action clip, coiled cord, 2 pin connector
RHD-8X	Ear Loop with PTT button and in-line microphone, 2 pin connector
RSP-5	Speaker, External, 5 Watt w/ 3.5mm Plug, 10 Ft. Cord (4"x4"x3")

RSM-3XA   RHD-8X   RSM-7   RSP-5

BASE STATION RADIOS

BASE STATION RADIO/WIRELESS INTERCOM - ANALOG

The Wireless Intercom/Base Station radio is a 2-way radio transceiver used to communicate directly with portable, 2-way radios, mobile radios, callboxes, and other base station radios, or through radio repeaters. Custom frequency programming is possible using Ritron's PC Programming software. The MURS version is field programable or PC programmable to any or all of the 5 MURS frequencies.

Always Ready, Always There, Always On!

- 110-220V AC or 12V DC Powered
- Programmable Funchion Button
- Rugged, All-Metal Housing
- Dimensions: 1.5"H x 3.75"W x 6"D
- FCC and ISED Canada Approved
- Designed and Made in the USA

Model	Description
JobCom Branded Base Station/Wirelesss Intercom	
JBS-147M*	VHF, MURS, *5 License-Free Freqs Only, 2Watts, 10 Channel Capability
JBS-147D	VHF, 150-165 MHz, 2Watts, 10 Channel, 2 Tone/DTMF Encode/Decode
JBS-147D-A	VHF, 150-165 MHz, 2Watts, 10 Channel, Auto-On when power restored
JBS-147D-CANADA	VHF, 150-165 MHz, 2Watts, 10 Channel, 2 Tone/DTMF Encode/Decode
JBS-447D	UHF, 450-470 MHz, 2Watts, 10 Channel, 2 Tone/DTMF Encode/Decode
JBS-447D-A	UHF, 450-470 MHz, 2Watts, 10 channel, Auto-On when power restored
JBS-447D-CANADA	UHF, 450-470 MHz, 2Watts, 10 Channel, 2 Tone/DTMF Encode/Decode
JBS-447D-CANADA-GMRS	UHF, 2Watts, 10 Channels, 2 Tone/DTMF Encode/Decode

Includes: RPS-1B 110-220V AC Adaptor and Dual Band BNC Connector Flex Antenna

* VHF MURS Part 95 License-Free Business. Frequency List: 151.820, 151.880, 151.940, 154.570, 154.600

Model	Description
Ritron Branded Base Station/Wirelesss Intercom	
PBS-147M*	VHF, MURS, *5 License-Free Freqs Only, 2Watts, 10 Channel Capability
PBS-147D	VHF, 150-165MHz, 2Watts, 10 Channel, 2 Tone/DTMF Encode/Decode
PBS-147D-CANADA	VHF, 150-165 MHz, 2Watts, 10 Channel, 2 Tone/DTMF Encode/Decode
PBS-447D	UHF, 450-470MHz, 2Watts, 10 Channel, 2 Tone/DTMF Encode/Decode
PBS-447D-CANADA	UHF, 450-470 MHz, 2Watts, 10 Channel, 2 Tone/DTMF Encode/Decode

Includes: RPS-1B 110-220V AC Adaptor and Dual Band BNC Connector Flex Antenna

BASE STATION ACCESSORIES

BASE STATION/WIRELESS INTERCOM ACCESSORIES

Model   **Description**

Base Station Antenna Accessories
AFB-1545   Replacement, Flex Antenna, BNC male, w/ 90° pivot, VHF/UHF
RAM-1545   Magnetic Mount BNC Wire Antenna, 25 Ft Coax Cable VHF/UHF
RAM-45   Magnetic Mount BNC Wire Antenna, 12 Ft Coax Cable UHF

Base Station Installation and Power Accessories
CCL-M   12 VDC, Adapter for JBS/PBS Series Radio for Auto Accessory Jack
JBS-MMK   Wall or Mobile Mounting Bracket for JBS/PBS Series Radio
(Does not include screws to mount bracket to wall or vehicle)
JBSK-12   12 VDC Install Kit, Cables and Mounting Bracket
RPS-1B   Replacement AC Power Supply,(replaces RPS-1A)

Base Station Audio Accessories
RHD-4X   Headset, Dual Ear w/ In-line PTT
RHD-6X   Lightweight Earset, Behind-the-Head w/ Boom Mic, In-Line PTT
RHD-8X   Lightweight Earset, Behind-the-Ear w/ In-Line Lapel Mic and PTT

RM-7   Hand Microphone w/ 2.5mm Right Angle Plug and Hang-Up Bracket
RSM-3XA   Remote Speaker/Microphone w/ Swivel Lapel Clip
RDC-1   Remote head w/ speaker/microphone/ptt button and 20ft connecting cable
                     All metal enclosure w/ built-in mounting flanges. Cable exit holes in bottom and back.

Note: RDC-1 used with base station will function the same as a remote speaker mic i.e. speaker is always live. Volume is controlled by Base Station.

RSP-5   Speaker, External, 5 Watt w/ 3.5mm Plug, 10 Ft. Cord

Base Station Programming Software
JBS-PCPK-USB   PC Programming Software on USB Thumb Drive and Cables.
                     Supports JBS/PBS-447 Series. Also includes legacy Software
                     RPT-PCPK-9 for JMX and legacy models JBS/PBS-446 models.

JBS-PCPS-1   PC Programming Software only on USB Thumb Drive.
                     Supports JBS/PBS-447 Series. Also includes legacy Software
                     RPT-PCPK-9 for JMX and legacy models JBS/PBS-446 models.

2147C002   9-Pin Serial to USB Adapter

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