MURS Radio Callbox/Intercom

Wireless long range radio communication for fixed locations.
A MURS Callbox provides long range, (miles, not feet), real-time, 2-way communication between visitors/employees and radio-equipped personnel. Now you can extend safety and security to even the most remote locations without costly trenching or monthly air-time fees. Our wireless technology enables you to improve response time without adding additional personnel or infrastructure.

HELP Happens!
Enhance Security with Wireless Voice Communications
Whether you’re business is a college, an airport, a manufacturing plant, a warehouse or a government facility, the safety and well being of visitors and employees is of utmost importance.

If you need access control and voice communication for your gate or when an unexpected emergency happens in a remote area of the plant or a parking lot, a simple call for help from a MURS radio callbox makes a troublesome incident less troublesome.

The MURS Callbox Solution
The MURS Radio Callbox enables you to put crisp, clear wireless voice communication right where you need it, without trenching and without monthly air-time fees. At the push of a button, the Callbox provides long-range, communication to your radio-equipped personnel.

Standard Features and Capabilities
All callboxes are certified for use on special FCC License-Free MURS Business Frequencies. Some callboxes can also be programmed to operate on licensed VHF business band radio frequencies, or UHF frequencies if your application requires it.

For simple installation, all callboxes are designed to operate on 6 D cell batteries, or if the callbox must remain on at all times, like an intercom, they can be powered from an optional external power source, including solar power. To make mounting the callbox easy, a variety of mounting methods are available.
Added Value Features
In addition to 2-way voice communication, the callboxes with Gate Control and Voice Messages allow you to remotely control gates or magnetic door locks from your portable 2-way radio, desktop base station, or mobile radio. The Voice Messages callbox includes a unique voice storage capability that will play a custom voice greeting on the callbox speaker when activated and then send a second and separate custom voice message alert to your radio-equipped personnel.

Construction Sites — Put wireless voice communications right where you need it without costly hard wired installation. These callboxes enhance safety and improve productivity on any job site. A callbox can be easily installed in the man-lift elevator and on each floor of a high-rise job site, thus providing a reliable wireless 2-way communication system for the man-lift elevator.

Golf Courses — Install a callbox at the 9th and 18th tee. Players can now order food and beverages before they get to the clubhouse allowing them to make “the turn” faster. The result is more rounds played and higher food and beverage sales for the course.

Gated Entrances — Wireless communication and access control of your gate without costly trenching. And 5x more range than other wireless intercom systems. Communicate and control your gate from up to 2 miles away using your 2-way portable or base station radio.

Choosing The Right Callbox For Your Needs
There are three types of enclosures: Heavy Duty XT, Heavy Duty All Steel, or the Basic Light Duty enclosure. Select the features you require using the chart below.

### FEATURES / BENEFITS

<table>
<thead>
<tr>
<th>Feature</th>
<th>VHF</th>
<th>UHF</th>
<th>VM</th>
<th>GCS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Simple 2 Button Programming</td>
<td>✔️</td>
<td>✔️</td>
<td>✔️</td>
<td>✔️</td>
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<tr>
<td>PC Programmable</td>
<td>✔️</td>
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<tr>
<td>Menu Driven Programming</td>
<td>✔️</td>
<td>✔️</td>
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<td>Internal Battery Capable</td>
<td>✔️</td>
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<tr>
<td>External Battery Pack</td>
<td>✔️</td>
<td>✔️</td>
<td>✔️</td>
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<tr>
<td>External AC Power Ready</td>
<td>✔️</td>
<td>✔️</td>
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<tr>
<td>Battery Backup for Power Fail</td>
<td>✔️</td>
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<tr>
<td>Adjust Transmitter Power Output - UHF</td>
<td>✔️</td>
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<tr>
<td>Adjust Transmitter Power Output - VHF</td>
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<td>Automatic “Turn-Off” and “Always-On” Intercom Feature</td>
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<tr>
<td>Remote Control Relay</td>
<td>✔️</td>
<td>✔️</td>
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<th>Voice Series (V)</th>
<th>Gate Control Series (GC)</th>
<th>Voice Message Series (VM)</th>
<th>Gate Control Steel Series (GCS)</th>
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<tbody>
<tr>
<td>VHF: RT1025 &amp; RT1026</td>
<td>VHF: RT1029 &amp; RT1030</td>
<td>VHF: RT1030</td>
<td>VHF: IO1002</td>
</tr>
<tr>
<td>UHF: RT1073 &amp; RT1074</td>
<td>UHF: RT1075 &amp; RT1076</td>
<td>UHF: RT1077</td>
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<tr>
<td>• Basic feature set for simple callbox communication applications</td>
<td>• All Features of the Voice Series Plus:</td>
<td>• All Features of the Gate Control Plus:</td>
<td>• Two-way voice communications</td>
</tr>
<tr>
<td>• Narrow Band Ready</td>
<td>• Built-in Relay for Remote Control</td>
<td>• Voice Storage</td>
<td>• Built-in Relay for Remote Control</td>
</tr>
<tr>
<td>• D-Cell Battery or External Power Capability</td>
<td>• Decode 2-Tone</td>
<td>• Voice Greeting and Voice Alert</td>
<td>• Decode 2-Tone</td>
</tr>
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Features / Benefits

- **Simple 2 Button Programming** - Change an array of settings without a PC!
- **PC Programmable** - Allows customization of all callbox attributes (PC and Programming Software Required)
- **Menu Driven Programming** - LCD display for easy programming changes
- **Internal Battery Capable** - Built-in battery tray for 6 D batteries
- **External AC Power Ready** - Power the Callbox with 120 Volts AC with optional power supply (can use solar power too).
- **Battery Backup for Power Fail** - In event of the loss of AC power, the internal batteries will take over.
- **Adjustable Transmit Power Output** - UHF - Select 1 or 2 Watt transmit setting for UHF
- **Adjustable Transmit Power Output** - VHF - Select 1 or 2 Watt transmit setting for VHF (if no checkmark, only 1 Watt)
- **Automatic "Turn-OFF" and "Always-On" Intercom Feature** - Callbox can be programmed to automatically "Turn-OFF" to conserve batteries or callbox can remain "ON" and in "Standby" Receive mode. (Use optional power supply.)
- **Remote Control Relay** - Built-in relay allows remote activation of Gate Controllers, Doors, Barrier Arms, and Strobe Lights connected to the Callbox. Relay can also be used to turn an "attention getting" strobe light ON when callbox PTT button is pressed.
- **Encode ANI (DTMF or 3 to 7 Tone)** - Callbox can be programmed to transmit a unique numeric identifier to the appropriate decoding radio. Allows monitoring personnel to instantly identify callbox in use. Receiving radio requires decoding capability.
POWER REQUIREMENTS (V, GC, & VM Series)

Standby: 85 mA 75 mA
Sleep: 25 mA 25 mA Avg.Standby w/Power Saver: 30 mA 30 mA
Receive: 230 mA 250 mA
Transmit: 550 mA @ 1.0 Watts 475 mA @ 2.0 Watts 375 mA @ 1.0 Watts

Power Supply: Internal (6) "D" Cell Battery Holder and Internal screw terminal connectors for external 12 VDC supply
BATTERY LIFE AT 1 WATT

6 D-Cell Batteries: Alkaline NiCd
Capacity: 14,000 mAh 5,000 mAh
Transmissions: 7000 2500
Duty Cycle: 3 second RX, 3 second TX, 10 second standby

These products are available at www.IntercomsOnline.com