

**SCHULMERICH CARILLONS, INC.
SELLERSVILLE, PA**

GENERATION 4TM

**OUTDOOR RADIO
REMOTE CONTROL**

**OPERATING INSTRUCTIONS
AND
SPECIFICATIONS**

BULLETIN 46-1210 REV. A

MARCH 10, 2004

OUTDOOR RADIO REMOTE

GENERAL DESCRIPTION:

The Outdoor Radio Remote consists of a battery-powered, hand-held transmitter and an associated outdoor mounted receiver.

The receiver is mounted in a weatherproof box designed to be mounted outdoors on a building or antenna pole

The receiver is connected to the carillon system cabinet with FiberLink™ optical fiber and is powered by an AC adapter.

The transmitter is activated by an ON-OFF toggle switch.

GENERAL OPERATION:

When a remote control is activated, the display on the carillon system will indicate Remote Mode and automatic operation will be prevented. If an automatic function is already playing when the remote is activated, the remote will wait for it to finish.

The carillon will stay in remote mode of operation as long as any remote remains activated.

If the system has more than one remote, only one at a time will be allowed to operate. The first one turned on will prevent any others from working. When it is turned off, the system will again be available to any remote.

Remote mode may be cancelled at the carillon system cabinet by turning the keyswitch to Manual and pressing Exit Remote Mode. If a remote is still active when the keyswitch is returned to Auto, the carillon will go back into remote mode.

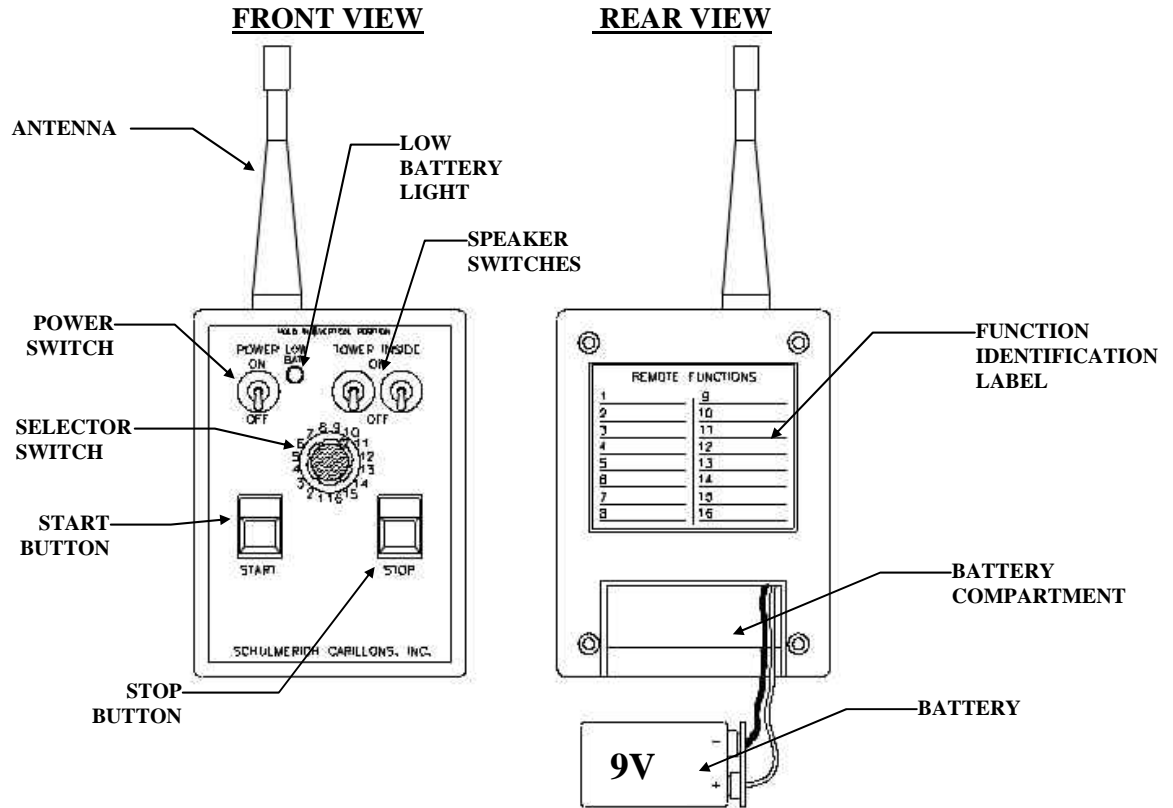
All transmitters should be turned off when they are not being used in order to ensure automatic operation as well as improve the transmitter’s battery life.
Receivers may be powered continuously.

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TO MAXIMIZE RANGE:

- ✓ Hold the remote in a vertical position with the antenna pointing straight up.
- ✓ Maintain an unobstructed line-of-sight to the receiving antenna.
- ✓ Stay clear of electrically energized equipment or wires.

The outdoor wireless remote has a range of approximately 1,000 feet. This distance may be affected by electrical equipment, buildings, trees, flagpoles, and even people.

The transmitter may work from inside a building, even with the receiver mounted outside, unless the building is metal or stone.

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OPERATION:

1. Turn on the Power toggle switch. The red Low Batt light will flash briefly. If it does not blink at all, the battery is dead. If the carillon is playing automatically, it can be cancelled by pressing and holding Stop for at least three seconds.

The red Low Batt light will blink when the batteries lose charge. When this occurs, there will be approximately five hours of remote operation remaining. The battery should be replaced as soon as possible to ensure proper operation. See Battery Replacement on the following page for instructions.

2. Rotate the 16-position selector switch to the function you wish to start. Positions 1 thru 15 have been pre-assigned to specific functions of the carillon. Check the Function Identification Label on the back of the transmitter for a listing. Position 16 is the Auto Lockout described on the following page, which prevents automatic operation.
3. Select the speaker(s) to play by setting the two speaker switches. When the remote is turned off and the remotely started function finishes playing, the speakers will shut off. There is no need to set the speaker selection back to normal, since changes made by a remote are not remembered.
4. Press and hold the Start button for approximately one second to begin playing the selected function.
5. The method of play for the selected function will be as set up in Function Defaults for your carillon. For instance, if the Counted AutoBell player has been set up to play 3 songs sequentially, then choosing this function from the remote will cause it to play 3 songs sequentially. There is no way to change the playing parameters from the remote.
6. Once a function has started playing, the Power switch may be turned off. The function will continue playing until completed, then the carillon will return to the automatic mode of operation. Since the transmitter is running on battery power, this will prolong battery life.
7. To stop a function from playing after it has been started, press and hold the Stop button for one second.
8. Remember to turn off the Power switch when finished using the remote or the carillon will remain in the remote mode of operation, and all automatic playing will be inhibited.

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AUTO LOCKOUT FEATURE:

Position 16 on the selector switch will prevent the carillon from playing automatically for one hour. For instance, if the carillon is programmed to play at 10:00AM and you wish to silence it from 9:30 thru 10:30 for a special service. This can be done by turning on the Power switch, rotating the selector to the Auto Lockout position, and pressing the Start button. After starting this feature, turn off the Power switch. If you wish to cancel the lockout prior to the end of the one-hour period, turn on the Power switch, rotate the selector to the Auto Lockout position, and press the Stop button.

To prevent any Schulmerich carillon from playing automatically, turn the keyswitch to Manual at the carillon main control cabinet. If the speakers are then manually turned off, the keyswitch can be left in Manual indefinitely.

BATTERY REPLACEMENT:

The Outdoor Remote Transmitter contains one 9-Volt alkaline battery. When it becomes drained, indicated by the red Low Batt light, it should be replaced as soon as possible. The alkaline battery is available from Schulmerich as part 047-0589 or it may be purchased almost anywhere. Do not use other than alkaline in this transmitter.

To replace battery, open battery compartment on the rear of the transmitter by sliding the compartment cover downwards. Remove the drained battery and replace with a fresh one. Close compartment cover.

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Specifications:

- Schulmerich Remote Control System part number 036-2018-010.
- Maximum range between the receiving antenna and the remote is 1,000 feet.
- Up to eight outdoor wireless remotes may be connected to a carillon system.
- Each is able to control up to sixteen individual system functions.
- Operates in the 902-928 MHz band and uses frequency shift keying.
- Powered by one customer replaceable, 9V alkaline battery.
- Includes a low battery indicator.
- Includes the following switches and controls:
 1. Sixteen-position selector switch to choose function to play.
 2. Start button used to start selected function playing.
 3. Stop button used to stop selected function from playing.
 4. Two switches used to control up to two speaker locations (on/off only).
 5. An ON/OFF switch which enables the remote to operate and places the carillon in the remote mode of operation.

INSTRUCTION TO THE USER

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

The user is cautioned that changes or modifications not expressly approved by the manufacturer could void the user's authority to operate this equipment.