



# SmartCom Room Station Installation Instructions

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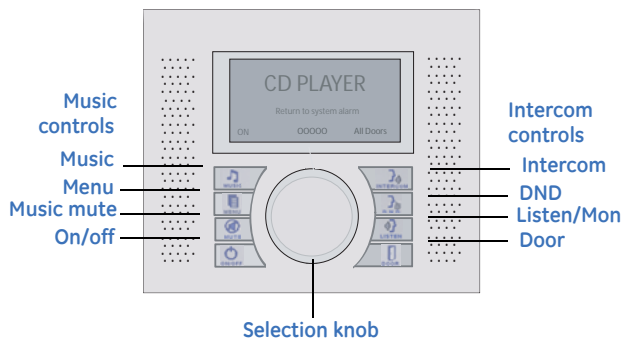
## Introduction

This is the GE *SmartCom Room Station Installation Instructions* for model CC-SCRS01. This document describes how to mount and wire the room station.

SmartCom provides a modular, expandable system for the distribution of music and intercom functions throughout the home.

The SmartCom room station (*Figure 1*) provides a single, convenient graphical LCD keypad to control the SmartCom audio and intercom systems.

Figure 1. SmartCom room station



## Prewire requirements

Prewired and preinstalled CAT5 cable and low-voltage double-gang deep box or mud ring.

**Note:** You may need a second cable if the homeowner wants to upgrade the keypad to the GE SmartCom touch-screen model in the future.

## Required equipment

You will need the following equipment to install the room station:

- EZ RJ45 ratchet-style crimper
- Phillips screwdriver

## Installation

Terminate the CAT5 cables used to connect the room station with an RJ45 plug using the TIA 568A residential standard configuration. Proper installation of the CAT5e plug is critical to maintain 5e rating of the cable (see *Cable preparation* on page 1).

### Mounting the room station

To mount the room station, do the following:

1. Press the tab on the bottom of the base and lift the face plate off the base.
2. Mount the back plate to a double-gang, low-energy box using the mounting screws provided. Do not overtighten the screws.



**CAUTION:** You must use the flathead screws provided or damage to the room station will occur.

3. Connect the cable as appropriate (see *Wiring*).
4. Line up the top of the face plate with the top of the base and press the tab on the base while you fit the face plate to the base. Release the tab to secure the face plate to the base.

## Wiring

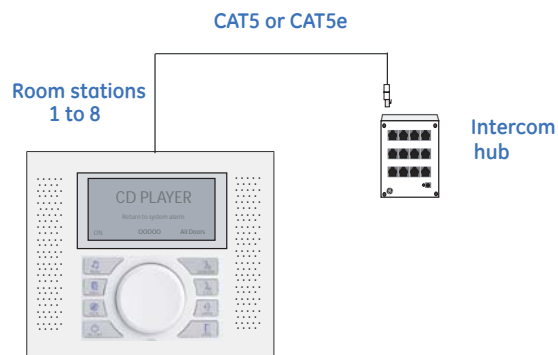
You can use up to 200 ft. (61 m) of cable between the room station and the SmartCom intercom hub.

To connect the room station to the intercom hub, do the following:

1. Run cable from the room station to the inputs on the front of the intercom hub.
2. Label both ends of the wire with the room station number.
3. Plug one end of the cable into the back of the room station and the other end into any room station jack on the front of the intercom hub (*Figure 2*).

Refer to your intercom hub documentation for more details.

Figure 2. Room station wiring diagram



## Cable preparation

To add an RJ45 connector to the cable, do the following:

1. Use a CAT5e stripper to score the outer jacket about 2 in. (51 mm) from the end of the cable.  
**Note:** Do not cut the cable with the stripper.
2. Use your fingers to bend the outer jacket back and forth until the jacket breaks off.
3. Cut the spline so that it does not protrude from the outer jacket. Be careful not to nick the wires.
4. Untwist the wires and flatten them until all kinks are removed.
5. Slide 0.25 in. (6 mm) of the outer jacket over the spline.
6. Trim the wires to 1.5 in. (38 mm) from the outer jacket.
7. Arrange the wires in the correct color code sequence according to the T568A pin out configuration.
8. Slide the wires into the RJ45 plug, keeping them in the correct color sequence. The tips of the wires will protrude from the end of the connector.
9. Continue sliding the wires all the way into the plug until about 0.25 in. (6 mm) of the outer jacket is inside the plug. The cable should stop sliding in when the spline touches the connector.
10. Crimp the connector using the EZ RJ45 ratchet-style crimper. The crimper will crimp then cut the wires. Use your fingers to finish breaking off the wires.

## Cable testing

Verify the installation by doing a cable test for each cable run. Keeping documentation of each test will protect you if a damaged cable is discovered after the sheetrock has been installed. Consult the ANSI EIA/TIA-570-B testing section for the following testing details:

- Continuity testing
- Near-end crosstalk testing
- ANSI EIA/TIA-570-B standard testing

## Installer programming

When you power up the room station, it will show a station disabled message. To get the room station up and running, you must add the station address. The address cannot be one that is already used and the room station address must match the audio zone address.

To access installer programming, press the top two control buttons on the room station (**Music** and **Intercom**) simultaneously.

The *Setup* menu will display with the following menu options, (turn the selection knob to navigate to an item and press the knob to select it):

**Room station address.** Use this option to select a room station address.

**Display settings.** Use this option to set the following settings:

- Screen timeout
- Backlight timeout
- Backlight level on
- Backlight level off
- LED level on
- LED level off
- Contrast level

**Intercom settings.** Use this option to set the following settings:

- Edit station name
- Talk timeout
- Hand free enabled
- Call blocking

- Chime volume

**Audio settings.** Use this option to set the following settings:

- Master mode enabled
- Volume limit
- Intercom over speakers
- Edit source

**Door enabled.** The door enabled feature has a factory default of *No*. Use this option to toggle the feature to *Yes* if your installation includes a door strike and this room station controls the door.

**System info.** Use this option to view system information such as hardware and software revision numbers.

**Restore defaults.** Use this option to restore settings to the factory defaults.

**Exit menu.** Use this option to exit the *Setup* menu.

Refer to the room station user documentation for more programming information.

## FCC compliance

This device complies with part 15 of the FCC rules. Operation is subject to the following conditions:

1. This device may not cause harmful interference.
2. This device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

## Specifications

Power	100 mA power supplied by the intercom hub
Operating temperature	0 to 120°F (-17 to 48°C)

### Technical support

**Toll-free:** 888.GESECURity (888.437.3287 in the US, including Alaska and Hawaii; Puerto Rico; Canada).  
Outside the toll-free area: Contact your local dealer.