



Instruction and Installation Sheet: Selectable Room Intercom Room Unit

1. Introduction

The Selectable Room Intercom Room Unit (see **Figure 1**), is a critical component of the Selectable Room Intercom System.

Using the intuitive Graphical User Interface (GUI) provided via the color Liquid Crystal Display (LCD), it provides both basic intercom communications functions such as talk, talk to door, monitor, mute, and advanced functions such as dynamic sorting of users or monitoring multiple rooms at the same time.

The Room Unit GUI provides the only means to custom configure, or personalize, the Intercom System.

2. Description

The Selectable Room Intercom Room Unit is a two-gang decorator-style product that connects to the Selectable Room Intercom Distribution Module in the enclosure via a single Cat 5e cable.

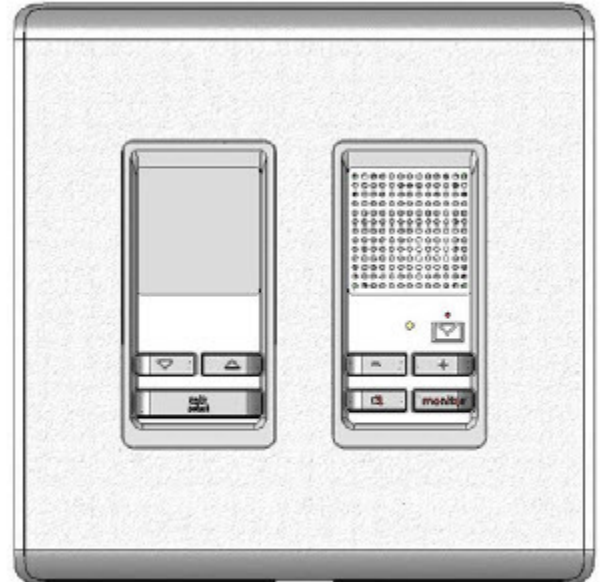


Figure 1

3. Installation

Installation of the Selectable Room Intercom Room Unit is best accomplished at multiple times during new construction, at "Rough-in" before the drywall is installed, and at "Trim-out" after the drywall is installed and painted.

A. "Rough-in" steps:

To provide optimal display quality of the LCD on the Room Unit, the two gang box that it is mounted in should be located for eye level operation (see **Figure 2**). The bottom of the two gang box should be approximately 56" from the floor.

1. Run a Cat 5e cable from the structured wiring enclosure where the Selectable Room Intercom Distribution Module will be installed to the 2 gang deep electrical box at the Room Unit location.

NOTE: It is important to keep all Category 5e cable runs, regardless of use, at least 12 inches away from AC electrical cables. If it proves necessary to cross an existing AC cable, do so only at a 90 degree angle.

B. "Trim-out" steps:

NOTE: All terminations can be correctly completed by following the T568A pin assignments. It is important that you accurately terminate using T568A at all locations. The Selectable Room Intercom System uses RJ45 plugs for all terminations on the Modules, the Room Units, the Door Units and Patio Units. Refer to **Figure 3 for correct T568A termination for RJ45 plugs.**

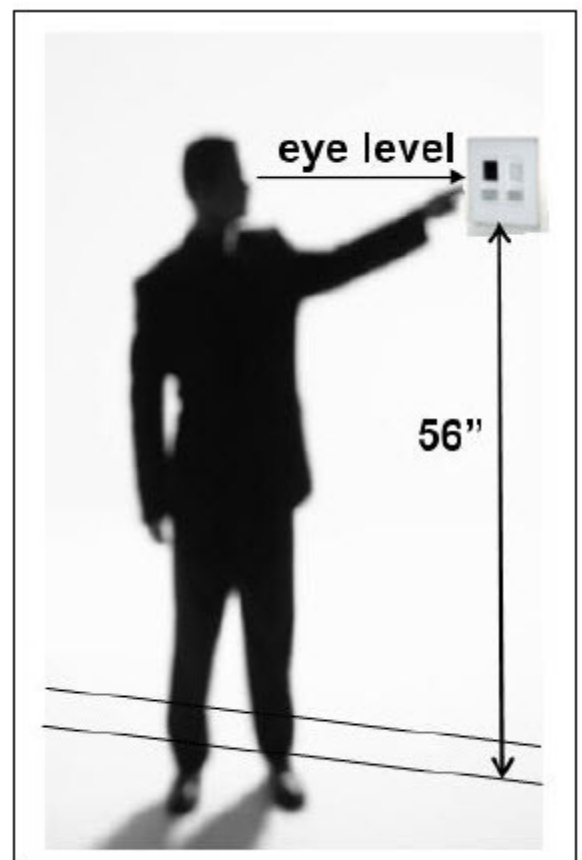
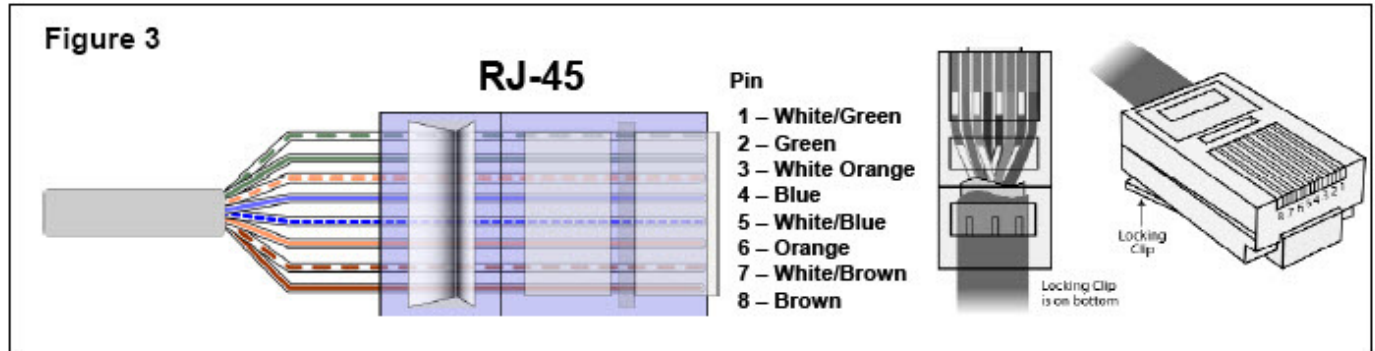
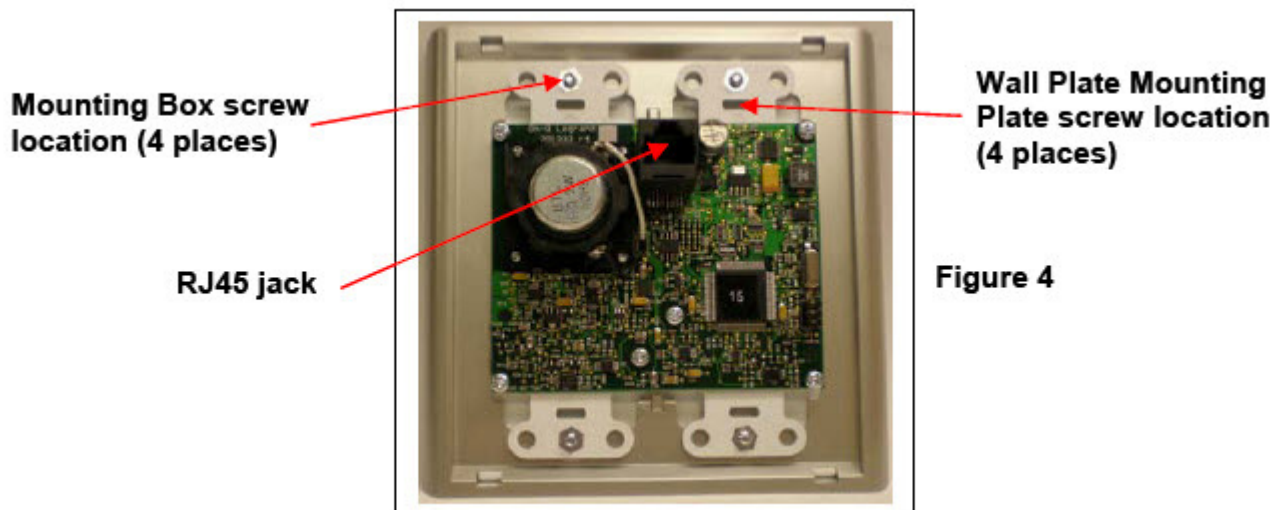


Figure 2



1. As shown in **Figure 4**, label and terminate an RJ45 plug on the Cat 5 cable from the Selectable Room Intercom Distribution Module and attach it to the RJ45 jack on the rear of the Room Unit. Follow the T568A standards described in **Figure 3**.
2. Insert the Selectable Room Intercom Room Unit in position and the Cat 5 cable into the 2 gang box and secure the unit to the box using the 4 included panhead screws. If using the included screwless, wallplate option, install mounting plate to Room Unit using 4 flathead screws and snap on the wall plate cover.
3. Terminate the other end of the Cat 5 cable, at the Selectable Room Intercom Room Module, with an RJ45 plug using the T568A wiring standard.
4. Insert the RJ45 plug into any of the eight ROOM UNIT jacks on the Selectable Room Intercom Distribution Module in the structured wiring enclosure.
5. After all Units and Modules are connected, apply power to the Selectable Room Intercom Distribution Module and verify system functionality. All Selectable Room Intercom Room, Door and Patio Units will be discovered and shown on each Room Unit LCD.



4. Operation

Below is the basic operation of the Selectable Room Intercom System.

Figure 5

