

**See the CP 62 Manual for operating instructions.**

### **CP R1 Zone Assign Remote Control**

When installing the R1 Remote, locate it next to the paging source. This lets the user select the zones where the page is to be heard. The R1 connects to the REMOTE ZONE ASSIGN jack next to the paging inputs on the rear of the CP 62.

### **CP R1 with One Paging Source: Either Mic or Phone/Line**

The front panel PAGING ZONE ASSIGN switch (see Front Panel, balloon #6) lets you assign the paging signal to ZONE 1, BOTH or ZONE 2. Similarly, the CP R1 remote lets you assign one of the Paging Sources to either or both Zones.

Which signal is controlled from the front panel PAGING ZONE ASSIGN switch and which is controlled via the rear panel REMOTE ZONE ASSIGN connector (Rear Panel, balloon #15) is determined by the rear panel PAGING INPUTS ASSIGN switch (see Rear Panel, balloon #4). *The rear panel switch controls the front panel switch and the rear panel connector.*

To use only one paging signal and control it from the front panel of the CP 62: set the rear panel PAGING INPUTS ASSIGN switch to PHONE to control the PHONE/LINE signal from the front panel of the CP 62, or to MIC to control the MIC signal from the front panel.

Use the CP R1 remote to control one paging source from another location. In this scenario, set the rear panel PAGING INPUTS ASSIGN switch to MIC to control the XLR MIC signal via the remote or set the switch to PHONE/LINE to control the PHONE/LINE signal from the CP R1 remote.

### **CP R1 with Two Paging Sources: Both Mic and Phone/Line)**

When using *both* paging sources, the rear panel PAGING INPUTS ASSIGN switch controls *two* functions (see Rear Panel, balloon #4). Which signal is controlled from the front panel PAGING ZONE ASSIGN switch (see Front Panel, balloon #6) *and* which signal is controlled by the REMOTE ZONE ASSIGN connector (Rear Panel, balloon #15, the place you plug in the CP R1 remote.)

To use the CP R1 remote to control the XLR MIC signal set the rear panel PAGING INPUTS ASSIGN switch to the MIC position. To control the PHONE/LINE signal, set the PAGING INPUTS ASSIGN switch to the PHONE/LINE position.

### **Two Paging Sources with No CP R1 Remote Control**

When using *both paging inputs* but **not** the CP R1 remote you **do** need to plug in and set the configuration adapter, (the short piece of wire with the phone plug and stripped wires included with the CP 62.) This adapter tells the CP 62 where one of the paging sources needs to go. The front panel PAGING ZONE ASSIGN switch (see Front Panel, balloon #6) routes one paging source and the configuration adapter routes the other.

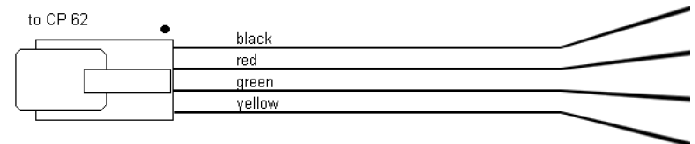
#### **Setting the CONFIGURATION ADAPTER:**

To page only in ZONE 1 twist the *black* and *green* wires together.

To page only in ZONE 2 twist the *black* and *red* wires together.

To page in BOTH Zones twist all three (*black, red, and green*) together.

Ignore the cowardly yellow wire, it serves no purpose.



## CP R2 Source & Level Remote Control

Table 1 shows the flexibility of configuring the R2. The R2 controls operate the same as the PROGRAM SELECT and ZONE LEVEL controls on the front of the CP 62, when enabled by the front panel REMOTE CONTROL button.

### ZONE 1 STEREO MODE

Locate and set the switch in the R2 to STEREO, as shown in Figure 1a.

### ZONE 1 MONO MODE

This delivers a total of three mono zones from the CP 62. Zone 1a and 1b use the same source with independent LEVEL controls. To separate Zone 1 into 1a and 1b, use two R2 remotes connected to Zone 1. Plug a cable from the MAIN jack of the first R2 into the ZONE 1 REMOTE jack on the back of the CP 62 and set the first R2's slide switch to DUAL MONO, as shown in Figure 1b. Plug a cable from the MAIN jack of the second R2 into the AUX jack on the first R2. A third R2 plugged into the CP 62 ZONE 2 REMOTE jack gives control over the third mono zone, operated as Zone 2.

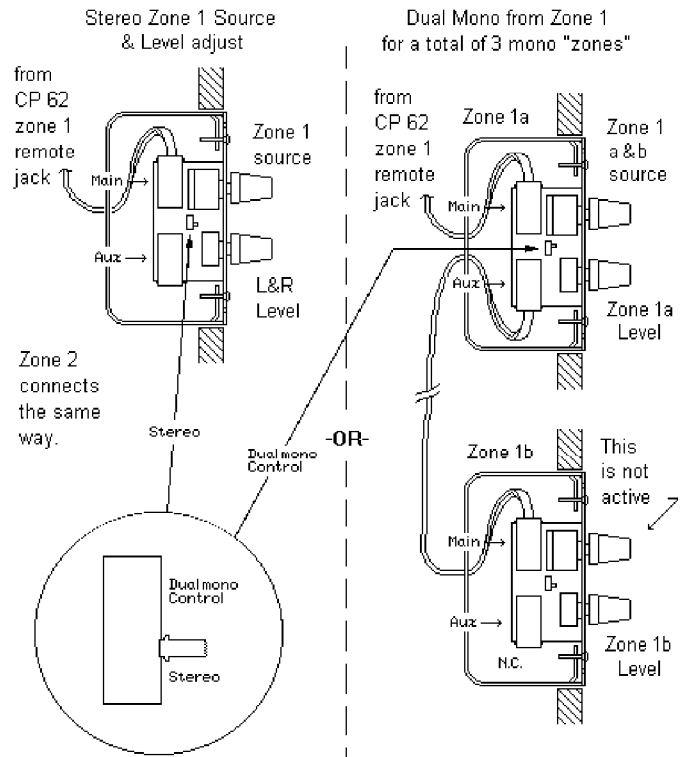


Figure 1a.

Figure 1b.

Table 1. R2 Installation Options

Desired Configuration	Remote Functions	Zone 1 Mode	R2 Connections
1 Stereo Zone (Zone 1)	SELECT & stereo LEVEL	STEREO	CP 62 ZONE 1 SOURCE & LEVEL jack
1 Mono Zone (Zone 2)	SELECT & mono LEVEL	not applicable	CP 62 ZONE 2 SOURCE & LEVEL jack
Both of the above	both as above	STEREO	2 R2 units both as above
3 Mono Zones (Zones 1a, 1b, & 2) Zone 1a and 1b use the same Source Selection	Independent mono LEVEL for Zone 1a, 1b, and 2. SELECT for Zone 1a & 1b. SELECT for Zone 2.	MONO	Use 3 R2s. Zone 1a - first R2's MAIN to the CP 62 ZONE 1 SOURCE & LEVEL jack. Zone 1b - second R2's MAIN to the first R2's AUX jack. Zone 2 - third R2 to CP 62 ZONE 2 SOURCE & LEVEL jack.

## Preparing the cables

All modular connectors are not created equal. The typical modular plug that connects to your telephone is a 6-position/4-conductor connector, named by an RJ number to describe it (i.e. RJ11, RJ14). This type of connector will not fit into the CP 62 remote outlets. The appropriate connector for the CP 62 is a 4-position/4-conductor, and is referred to as a “telephone modular *handset* connector”. It does not have an RJ number to describe it. Most companies have their own different part numbers for this part.

1. Install standard copper stranded 28-26 guage 4 conductor flat telephone cable to an empty electrical box where the remote is to be located. Do *not* use high flexibility tinsel cable. Strip an end to check if necessary. The ampere rating for tinsel wire is too low, affecting system remote reliability. Maximum cable distance from the CP 62 is 200 feet.
2. Install a modular handset connector on each end of the telephone cable, taking note of wire colors as shown in Figure 4. Special crimp hand tools and the connectors may be purchased at commercial telephone supply outlets. This tool is different than standard telephone modular line types.
3. Plug one end into the MAIN jack of the remote control unit. Connect the other end to the desired jack on the back of the CP 62.

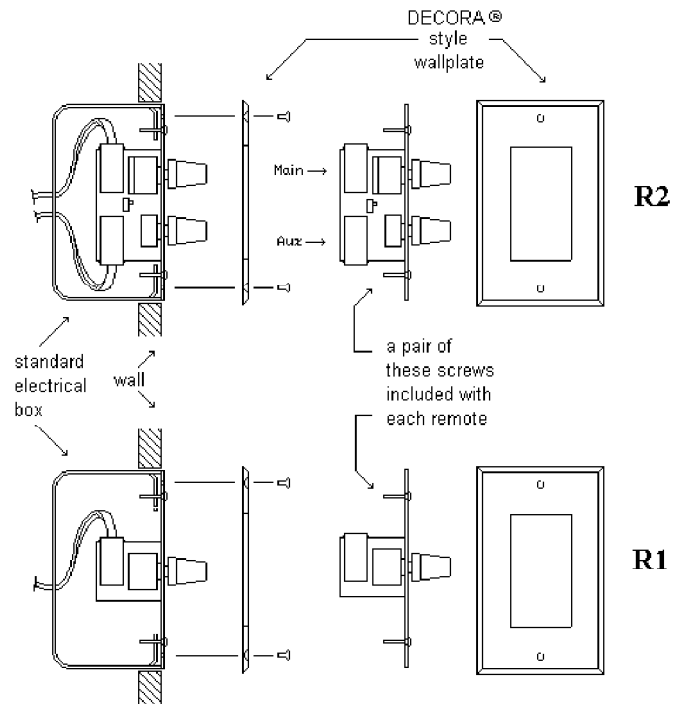


Figure 2. Installation

## Installation

The R1 and R2 remote control units will mount in standard U.S. electrical boxes in the same way as wall switches or outlets, as shown in Figure 2. Use a DECORA® wall plate or equivalent to allow the labeling on the front of the remote to be visible. DECORA wall plates are available in a wide range of colors at most hardware stores.

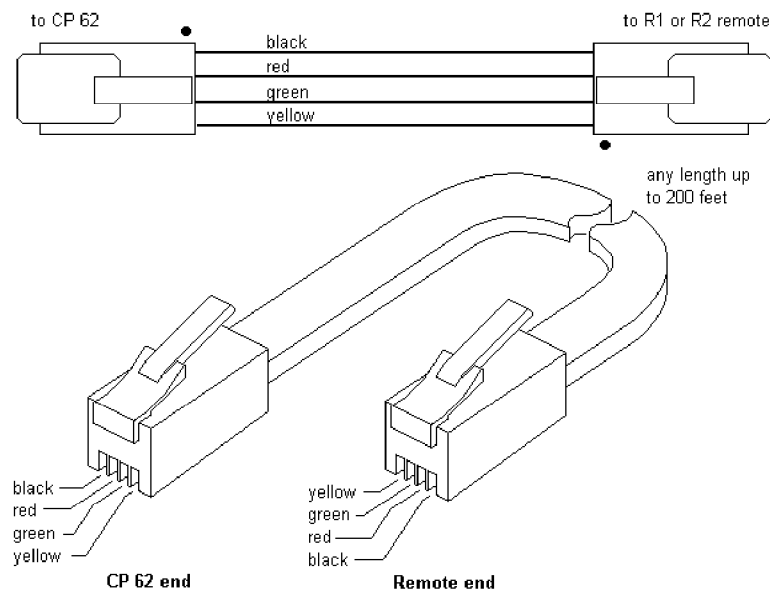


Figure 4. Remote connector wiring

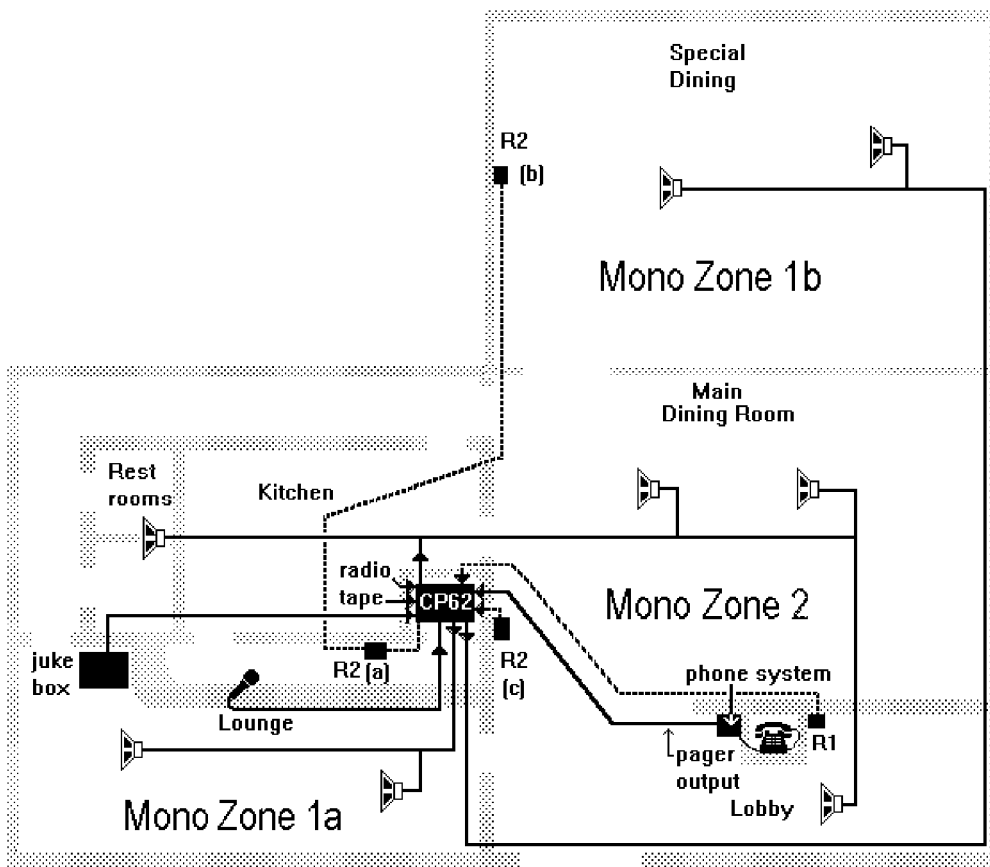


Figure 3a. Three Mono Zones Control Example

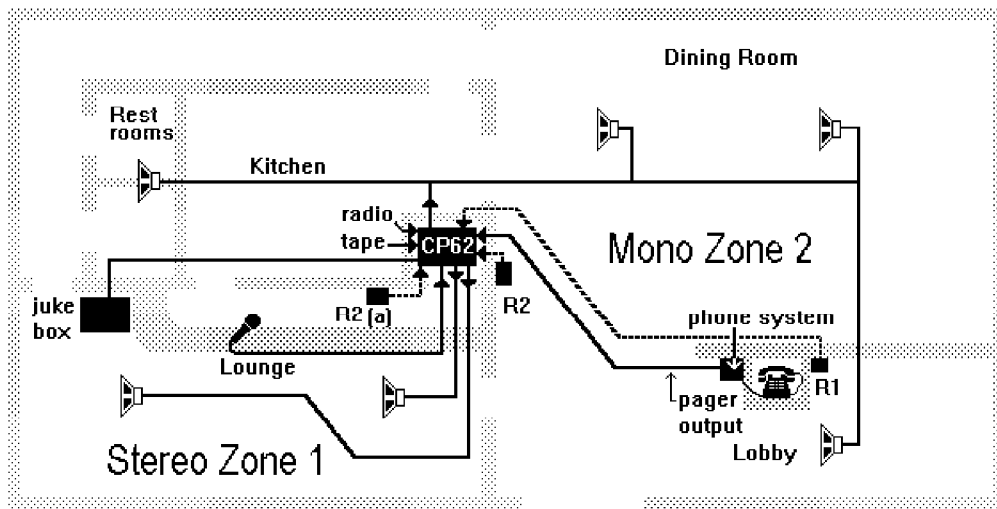


Figure 3b. Stereo and Mono Zone Control Example