

## Data Sheet

# ComPoint® Intercom System

The music lover's intercom solution

Russound's ComPoint® system provides doorbell, paging and true point-to-point intercom features with high-fidelity sound. Based on a six-zone configuration, the system can expand to 36 zones.

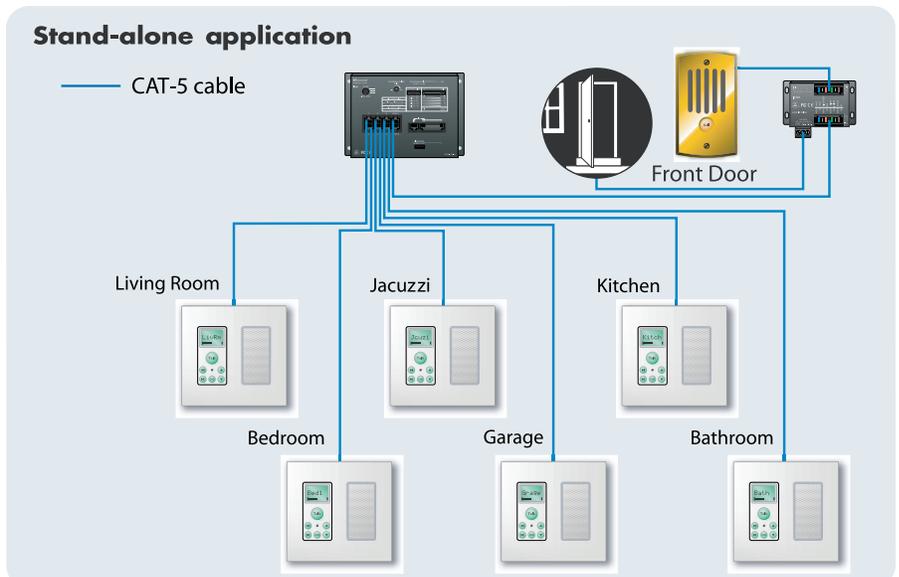
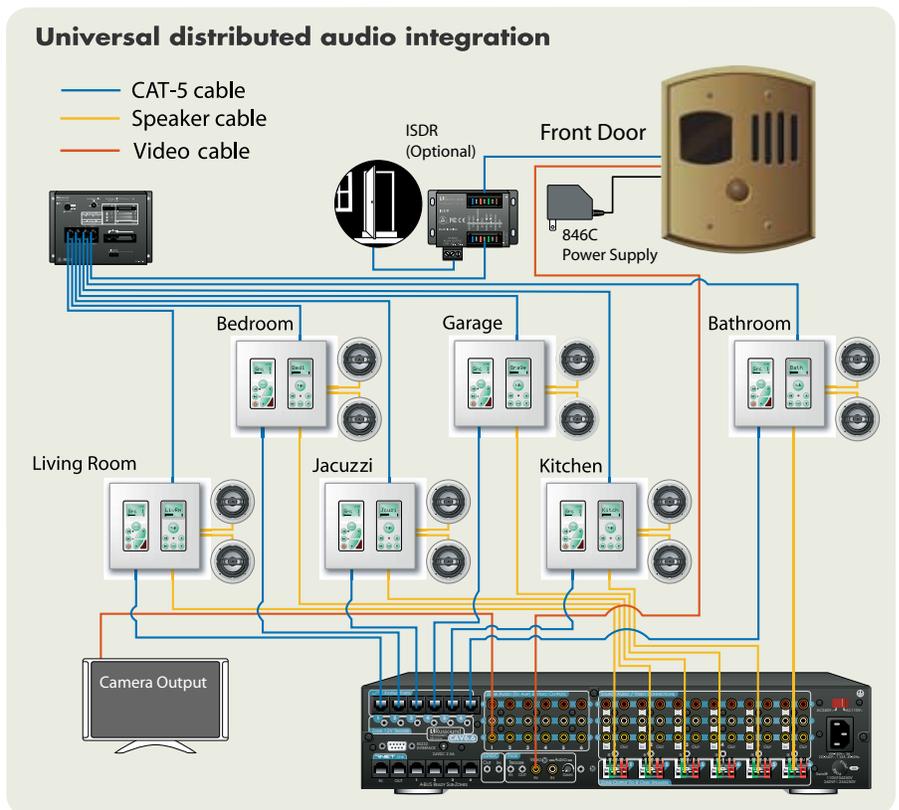
The system can share speakers with a multiroom audio system or use dedicated in-wall, in-ceiling, or surface-mount speakers. A convenient in-wall speaker is available for mounting next to the ComPoint keypads. Amplifiers built into the keypads provide power for communications.

ComPoint offers two keypad styles: a basic model for systems up to six zones and an advanced model for any size system. The advanced keypad features an LCD panel to display assignable room names. Both keypad models are available in five decorator colors and have installer-selectable amber or green backlighting.

ComPoint also offers two weather resistant door stations in brass and chrome finishes, one of which includes a low-light security camera. A door strike release module is available for switching a separate unit to unlock the door.

With ComPoint, you can have separate doorbell chimes for two doors. You have a choice of seven different chime tones that your installer can assign. Or you can use a separate doorbell system if you prefer.

Additional features include a Do Not Disturb mode for zone privacy and a Listen mode, which allows listening to one zone from any other zone.



# Specifications

## System

- Maximum zones:** 36 (up to 6 hubs)  
**Door stations:** 2 maximum  
**Communications cable:** CAT-5/CAT-5e  
**Maximum cable length:** 250 feet (76 m) per zone or door station



### ISK1 Basic Keypad

- User controls:** 6 zone selection/indication keys  
Talk key  
2 door selection/indication keys  
DND selection/indication key  
Volume Up and Volume Down keys
- Key backlighting:** Installer-selectable amber or green, with red function indication
- Audio input:** Built-in microphone with automatic gain control  
**Amplifier:** Monaural (for system functions only)
- Min. load impedance:** 6 ohms per channel  
**Speaker relay:** 4-pole double-throw  
**Speaker relay rating:** 50 watts RMS continuous  
**Speaker connector:** 8-pole screw terminal  
**Speaker wire size:** Up to 14 AWG (1.63 mm)  
**CAT-5 connector:** 110 punch-down block  
**Power consumption:** 15 VDC 800 mA maximum, 200 mA typical  
**Keypad style:** Single-gang Decora®  
**Available colors:** White/almond, bone, brown, black  
**Dimensions:** 1.875" W x 4.188" H x 2.5" D  
(4.8 x 10.6 x 6.4 cm)  
**Weight:** 4.8 oz (136 g)



### ISK2 Advanced Keypad

- Display:** 5-character backlit LCD panel
- User controls:** Talk key  
Next and Previous keys  
DND selection/indication key  
Volume Up and Volume Down keys
- Backlighting:** Installer-selectable amber or green, with red function indication
- Audio input:** Built-in microphone with automatic gain control  
**Amplifier:** Monaural (for system functions only)
- Min. load impedance:** 6 ohms per channel  
**Speaker relay:** 4-pole double-throw  
**Speaker relay rating:** 50 watts RMS continuous  
**Speaker connector:** 8-pole screw terminal  
**Speaker wire size:** Up to 14 AWG (1.63 mm)  
**CAT-5 connector:** 110 punch-down block  
**Power consumption:** 15 VDC 800 mA maximum, 200 mA typical  
**Keypad style:** Single-gang Decora®  
**Available colors:** White/almond, bone, brown, black  
**Dimensions:** 1.875" W x 4.188" H x 2.625" D  
(4.8 x 10.6 x 6.7 cm)  
**Weight:** 5.6 oz (159 g)



### ISH1 Hub

- Keypad ports:** (6) 8-pole modular RJ-45  
**Door station ports:** (2) 8-pole modular RJ-45  
**Link ports:** (2) 8-pole modular RJ-45  
**Update port:** 4-pole port for Programming Cable, Russound part #2500-521065
- Switches:** 4-switch DIP for hub ID setting  
8-switch DIP for 2 doorbell settings  
Potentiometer for doorbell volume
- Doorbell options:** 7 selectable chime patterns plus no chime  
**Power requirement:** 15 VDC 3.5 A (Use model ISPS power supply)  
**Mounting method:** Surface or structured wiring panel  
**Dimensions:** 6.438" W x 5.125" H x 1.813" D  
(16.4 x 13.0 x 4.6 cm)  
**Weight:** 25.6 oz (0.73 kg)



### ISK3 Door Station

- User control:** Call key with amber backlight  
**Audio input:** Built-in microphone with automatic gain control  
**Amplifier:** Monaural (for system functions only)  
**Volume control:** Installer-adjustable potentiometer  
**Audio output:** Built-in speaker  
**Cover plate:** Weatherproof plated die-cast zinc  
**CAT-5 connector:** 110 punch-down block  
**Doorbell connector:** 2-pole screw terminal  
**Doorbell wire size:** Up to 18 AWG (1.024 mm)  
**Doorbell contact:** 1 A @ 12 VDC  
**Power consumption:** 15 VDC 220 mA maximum  
**Available finishes:** Polished brass, antique brass, brushed chrome  
**Overall dimensions:** 3" W x 5.125" H x 3.25" D (7.6 x 13.0 x 8.3 cm)  
**Dimensions in wall box:** 2" W x 2.875" H x 2.75" D (5.1 x 7.3 x 7.0 cm)  
**Wall box required:** Single gang, 22 cu in (360 cm3) min. volume  
**Weight:** 8 oz (227 g)



### ISK4 Camera Door Station

- User control:** Call button with amber backlight  
**Audio input:** Built-in microphone with automatic gain control  
**Amplifier:** Monaural (for system functions only)  
**Volume control:** Installer-adjustable potentiometer  
**Audio output:** Built-in speaker  
**Video output:** Composite, 75 ohms unbalanced  
**Camera resolution:** 600 horizontal lines  
**Camera sensitivity:** 0.1 lux minimum illumination  
**Cover plate:** Weatherproof plated die-cast zinc  
**Intercom CAT-5 connector:** 110 punch-down block  
**Doorbell connector:** 2-pole screw terminal  
**Doorbell wire size:** Up to 18 AWG (1.024 mm)  
**Doorbell contact:** 1 A @ 12 VDC  
**Door station power requirement:** 15 VDC 220 mA maximum (provided from hub)  
**Camera power requirement:** 12 VDC regulated, 100 mA  
(use Russound 846C power supply)  
**Available finishes:** Antique brass, brushed chrome  
**Dimensions:** 4.8" W x 5.8" H x 2.9" D (12.1 x 14.8 x 7.3 cm)  
Fits UL/CSA-approved double-gang  
32 ci (524 cm3) wall box  
**Weight:** 15.8 oz (448 g)



### ISSP Speaker

- Device type:** Single-gang Decora®-style in-wall  
**Grille:** Perforated aluminum  
**Driver:** 1.25" x 2.5" (3.2 x 6.4 cm)  
water-resistant treated paper cone  
**Connection:** Attached wire leads  
**Power rating:** 2 watts nominal, 5 watts maximum  
**Impedance:** 8 ohms  
**Sensitivity:** 86 dB SPL ± 3 dB at 1 watt/1 meter  
**Frequency response:** 240 Hz – 15 kHz ± 10 dB  
**Available colors:** White/almond  
**Dimensions:** 1.65" W x 4.13" H x 1.42" D  
(4.2 x 10.5 x 3.6 cm)  
**Weight:** 3 oz (85 g)



### ISDR1 Door Strike Release Module

- CAT-5 connectors:** (2) 110 punch-down blocks  
**Strike release relay:** 1-pole double-throw (NC/NO)  
**Relay connector:** Removable 3-pole screw terminal  
**Relay wire size:** Up to 14 AWG (1.63 mm)  
**Relay contact rating:** 5 A @ 12 VDC  
**Mounting method:** Surface  
**Dimensions:** 3" W x 1.875" H x 1" D (7.6 x 4.8 x 2.5 cm)  
**Weight:** 4.8 oz (136 g)

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Since 1967, innovation, quality and reliability have been the core of the Russound product tradition. Today, Russound offers everything for enjoying multiroom audio-video in your home. All audio-video distributed solutions are built to high standards and designed with the unique consideration of making products that are a pleasure to live with and enjoy.

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