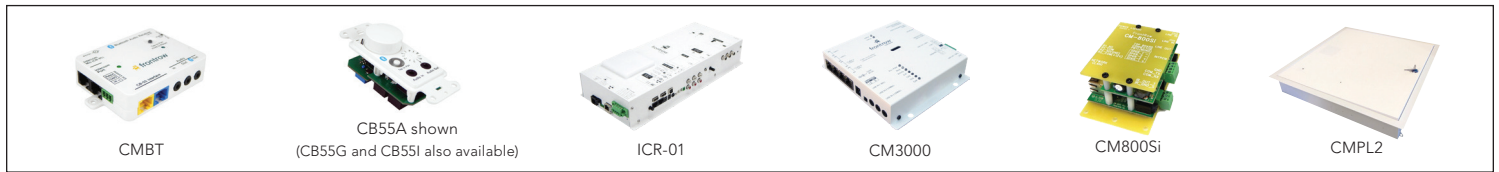


# CMBT Bluetooth® Audio Receiver Installation Guide

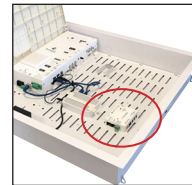
Installation with ezRoom ICR-01 Smart Receiver, CM3000 amplifier/controller, or CM800Si amplifier



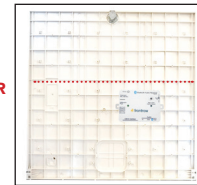
1. Most ICR-01, CM3000, and CM800Si installations house the components in an enclosure. The CMBT Bluetooth audio receiver works only in RF-friendly enclosures like the CMPL2 with plastic lid. Ensure that your enclosure meets this requirement before proceeding.

2. You can secure the CMBT receiver either to the metal enclosure mounting plate using the supplied mounting screws, or to the plastic lid using PT screws only (3.5 x 10mm / #6 x 3/8in). If mounting to the lid, ensure that CMBT receiver is installed in an area that will not interfere with other components when the lid is closed. (Image 1)

Image 1



OR



3. Plug the supplied UTP cable into the **Intercom Port** of the CMBT, and connect the other end to the **Intercom** port of the ICR-01, CM3000, or CM800Si. (Image 2)  
This will supply power to the CMBT.

Image 2

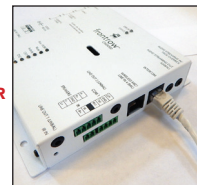


**NOTE:** If a device is already connected to the **Intercom** port of the ICR-01, CM3000, or CM800Si, proceed as follows:

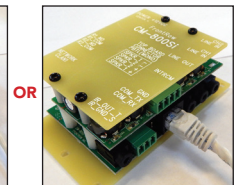
- If the device is a CB85 ceiling mic, unplug it from the amplifier and reconnect it to the **Intercom Mic (CB85)** port on the CMBT.
- If the device is a CB75 wall mic with volume control, you can either leave it connected to the amplifier, and power the CMBT separately using a dedicated power supply or using a 5V patch cord from the amplifier (ICR-01 only) unplug it and consider installing a CB85 ceiling mic and CB55 volume/pairing control instead (see Step 4b below)
- If the device is a CB50 volume control, unplug it and consider installing a CB55 volume/pairing control instead (see Step 4b below)



OR



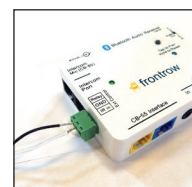
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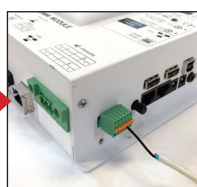
4. Decide how you want to remotely initiate Bluetooth pairing:

- If you are using a CB6000 touch control panel, we recommend initiating pairing from the touch screen:
  - Program Bluetooth pairing buttons for your CB6000 touch controller following the instructions in the *CB6000 Installer Guide*
- If you are using the ICR-01 Smart Receiver or CM800Si amp:
  - Locate the supplied relay cable and connect the white/neutral wire to the **GND** connector on the **Ext Control** terminal of the CMBT and connect the other end to the **COM** connector on one of the Relay terminals of the ICR-01 or to the **R1-COM** terminal of the CM800Si. (Image 3)
  - Connect the black/hot wire of the relay cable to the **Relay** connector on the **Ext Control** terminal of the CMBT and connect the other end to the **NO** connector on one of the **Relay** terminals of the ICR-01 or to the **R1-NO** terminal of the CM800Si. (Image 3)
- If you are using the CM3000 amp:
  - Locate the supplied infrared interface cable and connect the white/neutral wire to the **GND** connector on the **Ext Control** terminal of the CMBT and connect the other end to the **IR-** connector on the IR terminal of the CM3000. (Image 4)
  - Connect the black/hot wire of the interface cable to the **IR In** connector on the **Ext Control** terminal of the CMBT and connect the other end to the **IR+** connector on the IR terminal of the CM3000. (Image 4)

Image 3



OR



OR

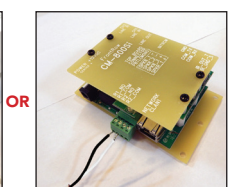
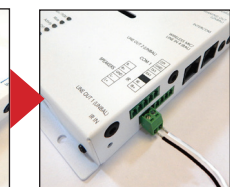
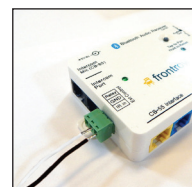


Image 4



Installation instructions continued on back side...

b. The CB55 is a wall mount accessory for the CMBT. It provides the user with easy access for Bluetooth pairing, as well as, volume control and line audio in/out for lesson capture. The CB55 cannot be used on its own.

- b.1. Install a single-gang electrical box, surface box, or mud ring according to the manufacturer's instructions.
- b.2. Locate the UTP cable with blue ends supplied with the CB55 kit. Feed the cable through the electrical box to the location of your CMBT. Ensure the cable is installed in compliance with your national and local electrical code. Connect one end to the blue jack on the CB55 and the other end to the blue **CB-55 Interface** jack on the CMBT receiver. (Image 5)
- b.3. Locate the UTP cable with yellow ends supplied with the CB55 kit. Feed the cable through the electrical box to the location of your CMBT. Ensure the cable is installed in compliance with your national and local electrical code. Connect one end to the yellow jack on the CB55 and the other end to the yellow **CB-55 Interface** jack on the CMBT receiver. (Image 5)
- b.4. Screw the CB55 into the electrical box and attach the supplied Decora faceplate.
- b.5. Follow the instructions for programming the behavior of the CB55 knob using located in the Installer Guide for your amplifier (ICR-01, CM3000, or CM800Si)

**5. Set the Audio Out summing switch as follows:**

- a. If you are using the CB55 volume/pairing control (see Step 4b) AND the CM800Si or other amplifier with only one available audio input jack, select **Sum** (Image 6). This will sum the audio from Bluetooth sources with audio from the CB55 before passing to the amplifier.
- b. For all other situations, select the **Norm** position.

**6. Connect audio cables as follows:**

- a. If you are using the ICR-01 Smart Receiver or CM3000 AND have selected the **Norm** position in Step 5 above, plug one of the supplied 3.5mm audio cables into the **Bluetooth Audio Out** jack on the CMBT and connect the other end to one of the available audio inputs on the ICR-01 Smart Receiver or CM3000. (Image 7)
- b. If you are using the ICR-01 Smart Receiver or CM3000 AND are using the CB55 — OR have selected the **Sum** position in Step 5 above — plug another of the supplied 3.5mm audio cables into the **Audio Out** jack on the CMBT and connect the other end to an available audio input on the ICR-01 Smart Receiver or CM3000.
- c. If you are using the CM800Si, plug the summing 3.5mm audio cable into the **Audio Out** jack on the CMBT (TRS) and connect the other end to the audio input on the CM800Si (TS). (Image 8)

7. If you are using the CB55, plug another of the supplied 3.5mm audio cables into the **External ALD Out** (or **Line Out**) jack of the ICR-01 Smart Receiver, CM3000, or CM800Si and connect the other end to the **Audio In** jack on the CMBT. (Image 9)

**Installation with Pro Digital 940R or ToGo 925RS receiver/amplifiers**

1. Attach the supplied rubber feet to the bottom of the CMBT receiver and select a stable space near the 940R or 925RS
2. Provide a power source for the CMBT:
  - a. If using the Pro Digital 940R, ToGo 925RS or other amplifier, connect the supplied power supply to the **5VDC** jack of the CMBT and plug the supply into an electrical outlet. (Image 10)
3. Plug one of the supplied 3.5mm audio cables into the **Bluetooth Audio Out** jack on the CMBT and connect the other end to one of the available audio inputs on the 940R (3.5mm to RCA) or 925RS (3.5mm summing cable) (Image 11).

**Testing your installation**

1. Power up your amplifier/receiver system
2. Initiate pairing mode by pressing the **Bluetooth pairing button** on:
 

The CB55 volume/pairing control **or** The CB6000 touch control panel **or** The CMBT Bluetooth audio receiver
3. Go to the Bluetooth settings on your source device and select CMBTxxxx
4. We suggest initially setting the volume on the source device to ¾ full scale
5. Play some audio
6. Adjust levels as needed on the source device and/or the FrontRow system

Image 5

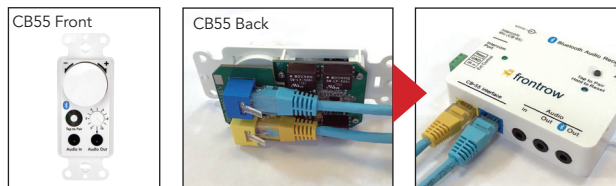


Image 6



Image 7



Image 8

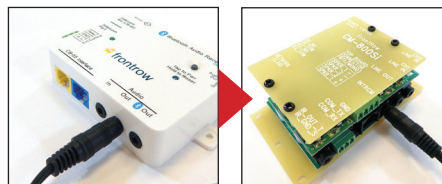


Image 9

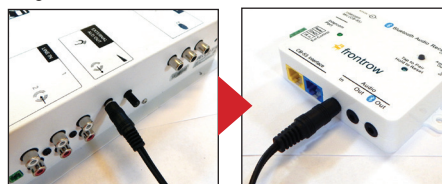
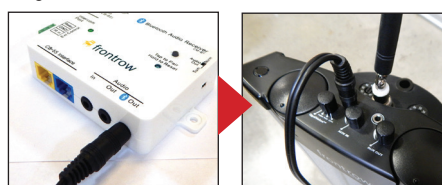


Image 10



Image 11



**Bluetooth Specifications**

Standard: Bluetooth 4.1  
 Frequency Range: 2402-2480 MHz  
 Maximum RF Power: +4dBm

**Declaration of Conformity**

Hereby, FrontRow Calypso, LLC declares that the radio equipment type, Juno Tower receiver with Bluetooth, model number ITR-02 is in compliance with Directive 2014/53/EU.

Visit <https://www.gofrontrow.com/sites/default/files/how-to/classroom-audio-juno-itr-02-declaration-of-conformity.pdf> or the full text of the EU Declaration of Conformity.