

Soundbar Demo and AV Distribution System

1720T and 1720R



Audio  Authority®

1720 Series Transmitter-Receiver Soundbar Demo System

Installation and Operation

The 1720T and R comprise a signal distribution and demonstration platform that provides an ideal way to demonstrate soundbars in multiple configurations.

- Each Transmitter serves four receivers; audio-video signals and power may be bussed to additional transmitters
- Durable, illuminated Product Select Buttons (PSB) may be used to activate a demo (see PSB Details)
- Use any source providing optical or coaxial digital audio (**2-channel PCM**)
- Optical and coaxial digital audio is available to all soundbar positions
- Analog audio is available for TV sound
- Three button modes

PSB Details

Push-buttons are used to activate a demo at each receiver location. Two styles are available from Audio Authority, or most other two-wire, momentary push buttons may be used.

Demo Features

Attract Mode A: (Feature switch 3 OFF) The buttons blink when the demo is not active, and are lit solid during the demo.

Attract Mode B: (Feature switch 3 ON) The buttons are lit solid when the demo is not active, and blink during the demo.

Timeout Interval: At the end of the timeout interval, (a period of inactivity) the audio outputs are turned off, and attract mode begins. Turn timeout OFF (set to 0) if the demo should play continuously. 0 = no timeout, 1 = 15 second timeout .. 9 = 135 second timeout.

Connecting the System

Transmitter Input: Connect any Component Video source that has 2-channel PCM audio output. Do not connect the power supply until you are ready to test the system.

Transmitter Output: Fabricate Cat 5/6/7 cables using EIA-568B standard, and test with a network cable tester (continuity testing is not adequate). Connect one 1720T output to each 1720R as desired.

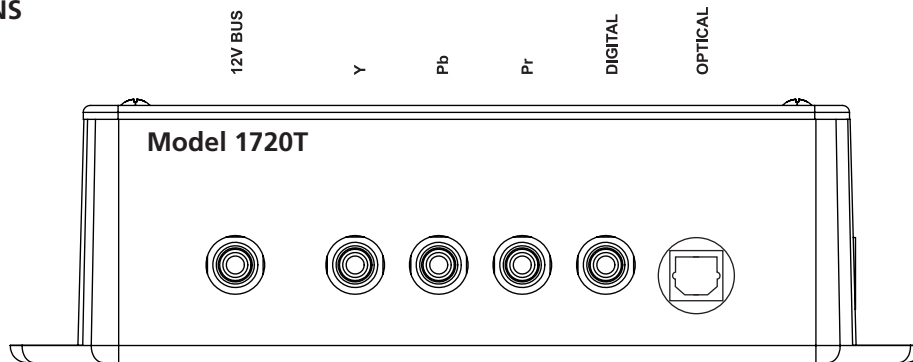
Transmitter Bus: To add more receivers, connect bus outputs to one or more 1720T transmitters with short RCA patch cords, or barrel connectors.

TV and Soundbar Connections: Connect one digital audio type (coax or optical) at each receiver output position to a soundbar input. Connect analog audio to TV audio inputs.

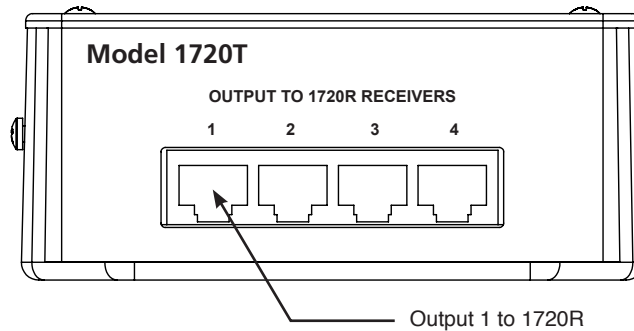
PSB: Connect a product select button to correct pins on associated PSB port(s). If using one button mode, or auto-demo, use TV port.

Power: Connect 12V power supply to Receiver and Transmitter Power Inputs.

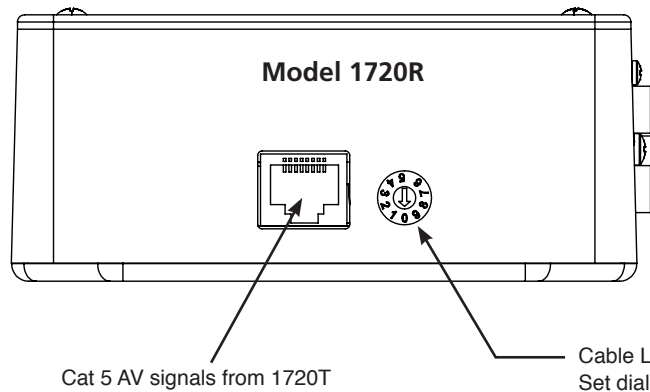
1720T INPUT CONNECTIONS



1720T OUTPUT CONNECTIONS

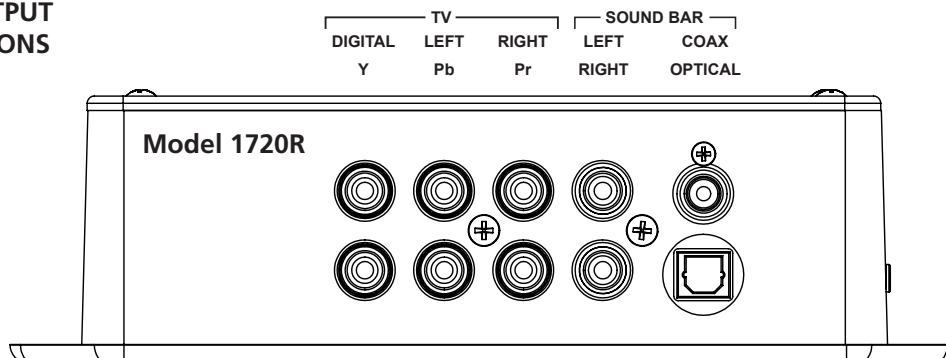


1720R INPUT CONNECTIONS

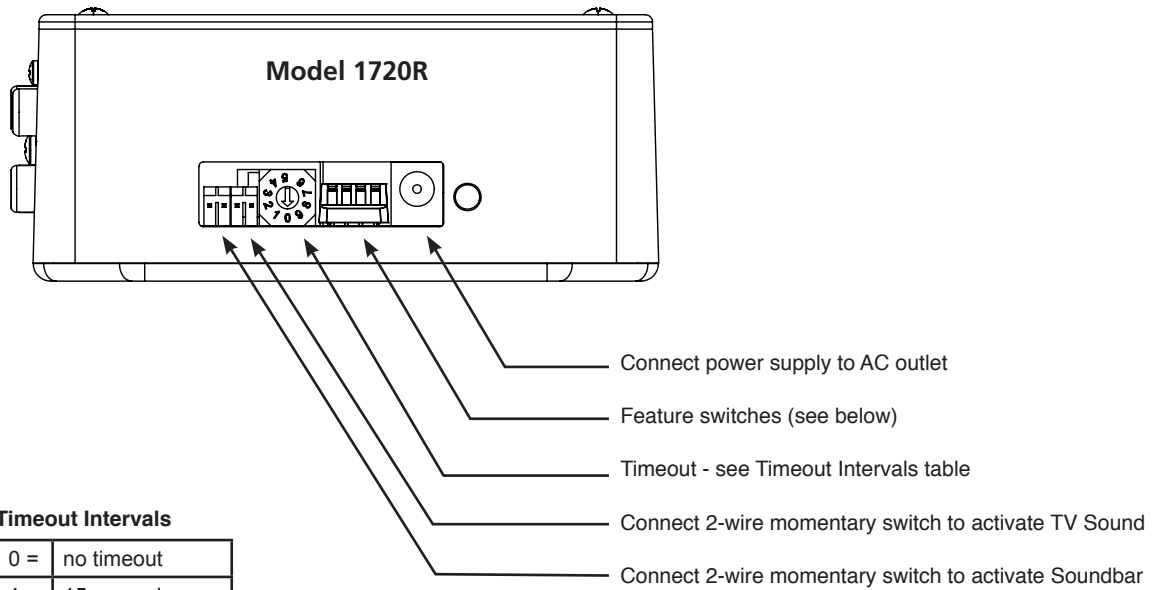


Cable Length Compensation
Set dial for total Cat 5 cable length from 1720T Transmitter as follows:
0 = 0-99 feet, 1 = 100-199 feet, etc.

1720R OUTPUT CONNECTIONS



1720R CONTROL AND SETUP



Timeout Intervals

0 =	no timeout
1 =	15 seconds
2 =	30 seconds
3 =	45 seconds
4 =	60 seconds
5 =	75 seconds
6 =	90 seconds
7 =	105 seconds
8 =	120 seconds
9 =	135 seconds

Feature Switches

Switch 1	OFF	Two Button Mode	Button 1=TV Button 2= Soundbar
	ON	Single Button Mode	Toggles between TV and Soundbar
Switch 2	OFF	Normal Operation	Manual switching via button(s)
	ON	Auto Demo Mode	Plays TV sound for one timeout interval, then soundbar for one timeout interval, then turns off
Switch 3	OFF	Attract Mode A	Button(s) blink until pressed
	ON	Attract Mode B	Buttons(s) lit solid until pressed

Operation

One-button-mode: Analog audio is passed to the TV speakers on the first button press, and then with the next button press, digital audio is passed to the soundbar. Press the button again, and the analog audio plays through the TV again.

Two-button-mode: Requires discrete button press to play TV or soundbar audio. After timeout interval, attract mode resumes.

Auto demo mode: Requires one button press to start the TV sound, then automatically switches to the soundbar. Each demo interval is set by adjusting the timeout dial. Once the autodemo is finished, it reverts to attract mode.



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752-642 Rev. 20140219