Many brands of audio/video equipment provide a means of linking an audio receiver to a CD player to a tape deck, etc., so that infrared control signals sent to the audio receiver will control the other devices as well. This capability is often in the form of a serial data network where one pair of wires is “daisy-chained” from device to device to device. The most common connecting link usually employs the 3.5mm miniature phone plug.

In multi-zone systems, the audio receivers respond only to infrared control signals from a single zone, while the common source equipment, such as CD players, tape decks, etc., must respond to control signals from all zones. The 793-10 connects to the Control Output (Network Out, Serial Out, etc.) jacks on each audio receiver (up to five per 793-10) and combines the signals so that a stack of source equipment can be controlled. The serial control command signals are isolated with diodes in the 793-10 so that the audio receivers do not interfere with each other. If more than five audio receivers are used, multiple 793-10’s can be connected together.

The 793-10 has five CONTROL INPUTS jacks which are connected to the Control Output (Network Out, Serial Out, etc.) on the audio receivers by two-wire cables with 3.5mm miniature phone plugs on each end. Connect the A jack, near the marking CONTROL OUTPUTS, to the Control or Serial input on one of the source devices using the same type of cable. If more than one source device is used, they should be “daisy-chained” in the usual manner. For more zones than five, use the B jacks, near the marking CONTROL OUTPUTS, to connect from one 793-10 to another using the same type of cable described above.

The ten LOGIC POLARITY SELECTOR switches configure the 793-10 to respond to the control signal polarity used by the particular brand of equipment. Since the 793-10 can only be used in single-brand installations, all of the switches are set together.

- For Active Low equipment such as Pioneer, Luxman and Denon, set switches 1, 3, 5, 7, and 9 ON and switches 2, 4, 6, 8, and 10 OFF.
- For Active High equipment such as some models of Marantz, Philips and Sony, set switches 1, 3, 5, 7, and 9 OFF and switches 2, 4, 6, 8, and 10 ON.

NOTE: The 793-10 works with single-brand installations only and requires no power supply.