



CS-RE-1 Streams Rooms Expander Installation Sheet



Last modified: 09/29/2016

Description

The CS-RE-1 Streams Room expander is a CobraNet-enabled preamplifier that is a compact and affordable solution for incorporating additional rooms into the ClareHome Audio Distribution solution. The CS-RE-1 supports the following:

- Uncompressed streaming audio transmission based on CobraNet
- Single unbalanced stereo input
- Single unbalanced stereo output
- 1 digital SPDIF audio output

Note: Models herein and their appearance are subject to change without any prior notice.

WARNING: Please read all instructions before attempting to install equipment. Failure to follow directions may cause bodily injury and damage to equipment.

Package contents

Remove and inventory all contents from the CS-RE-1 packaging.

- CS-RE-1 device
- Power supply

Installation

You must install the CS-RE-1Streams device on a separate CobraNet dedicated audio network and not on the home data network. The data transmission on the network causes the devices to communicate frequently, and there will be no latency on a dedicated audio network.

Notes

- Record the device Mac address (labeled on the bottom of the device) on the “ClareHome Streams CS-RE-1 Worksheet” on page 2. Your system programmer will need this information to configure the CS-RE-1 device.
- The CS-RE-1 device does not support PoE. You must connect a power supply unit to the device.
- You can use analog output or the SPDIF digital output.

To install the CS-RE-1:

1. Connect the associated input device to the input connection (IN 1) on the CS-RE-1. (See Fig. 1)
2. Connect the associated output device (OUT 1) to the output connection on the CS-RE-1.

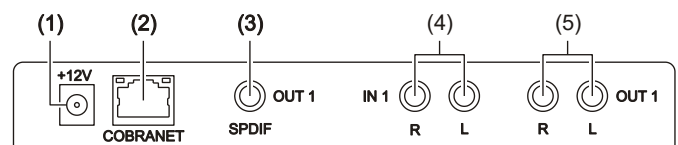
- or -

If you have a digital connection, connect it to the digital audio output SPDIF port.

Note: The output device (OUT 1) port and the SPDIF port cannot be used at the same time.

3. Connect an RJ-45 (Ethernet) network cable to the RJ-45 CobraNet port and the other end to your CobraNet network.
4. Connect the power supply to the power port on the CS-RE-1.

Figure 1: CS-RE-1 rear connections



- (1) POWER port, 12 V
- (2) COBRANET port for connection with CobraNet switch
- (3) SPDIF port for digital audio interconnection
- (4) Stereo input ports (right, left), single unbalanced
- (5) Stereo output ports (right, left), single unbalanced

Specifications

Overview

Analog input channels	2 RCA jacks
Analog output channels	2 RCA jacks
Digital SPDIF audio output	1 RCA jack
Frequency response	20 Hz - 20 KHz, ± 1 db
THD+N	<0.05% at -3 dBFS
Noise	-83 dBu
Power consumption (max.)	5 W at 12 VDC and 2.1 mm jack
CobraNet	RJ-45
Operating temperature	32 to 104°F (0 to 40°C)
Dimensions (W x H x D)	7.7 x 1.2 x 5.9 in. (19.6 x 3.1 x 15.0 cm)
Weight (approx.)	18 oz. (.51 kg)

Audio Input Details

Line input type	Unbalanced
Input level (max.)	+8 dBu
Inputs	1 unbalanced analog stereo
Input impedance	10 k Ω
Sample rate per channel	48 KHz
Resolution	24 Bit

Audio Output Details

Line output type	Unbalanced
Output level (max.)	>+4 dBu
Outputs	1 unbalanced analog stereo and 1 digital SPDIF
Output impedance	680 Ω
Sample rate per channel	48 KHz
Resolution	24 Bit

ClareHome Streams CS-RE-1 Worksheet

The purpose of this worksheet is to provide a place to record important information that you must give to your system programmer. Your system programmer requires the following information to configure this ClareHome Streams device.

CS-RE-1 MAC Address:

IP Address dynamically assigned by Clare OS:

Device Connected to Input port #1:

Device Connected to Output port #1:

Device Connected to SPDIF Output port #1:

Warranty information

Clare Controls offers a three (3) year limited warranty on original Clare Controls components, from the date of shipment from Clare Controls. To view complete limited warranty details, including limitations and exclusions, www.clarecontrols.com/warranty.



Scan the code
to view product
warranty details.

Contact information

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