Sonance Multi-Room Audio

C4630 SE Home Audio System

The C4630 SE is a home audio system that makes it easy for the entire family to control and enjoy music throughout the home, allowing users to listen to any of four different audio sources in up to six different rooms (zones) at the same time.

The C4630 SE is controlled by C4630 SE Main and Numeric Keypad Controllers (available separately). The Main keypad can accept Sonance FSMR1 or MR1 IR receivers (also available separately) that allow the C4630 SE to be controlled by an optional IR remote. The C4630 SE can also be controlled by Sonance Navigator® K2 and K1 programmable keypads.

The C4630 SE includes Sonance Control Manager programming software that lets programmers create easy, logical control of both the sound in each room and the system's audio sources. The Control Manager software allows the C4630 SE to be programmed with keypad-triggered macros that can accomplish complex functions (like turning the system ON, selecting a source, setting the volume and other audio parameters and starting the music in a specific room) with a single button push.

In addition to the macros that can be triggered by the C4630 SE Main and Numeric Keypads, the C4630 SE can also store up to 200 "Extra Command" macros for each zone that can be triggered by K2 and K1 programmable keypads. This lets advanced programmers give their clients extremely sophisticated control over the audio system.

For more sophisticated systems, the C4630 SE's RS-232 serial communications port can integrate it with serial-controlled audio components like the Sonamp® 875D SE 8-channel power amplifier and the iPort™ Music System for the Apple iPod®. The RS-232 connection also allows the C4630 SE to be serial-controlled by top-end 3rd-party whole-home control systems.

For systems that involve more than six zones, up to four C4630 SEs can be "daisy-chained" via their Source Output, Sync and IR Link connections, allowing systems of up to 24 zones to be assembled. A "Party Mode" provides control of source and volume in all zones from a single location, and a Paging function lets the system's audio be overriden by an intercom, telephone system or microphone preamp output.

Audio Features:

• **Four-source, six-zone, distributed audio matrix and control system**

• **Four audio source inputs**

• **Six stereo zone speaker-level outputs (30W RMS/ch x 12 @ 8 ohms)**

• **Four buffered line-level audio outputs that can be used to bridge to additional C4630 SE units or as record outputs**

• **Six zone line-level audio outputs (switchable fixed/variable)**

• **BBE® Sound Enhancement with individual ON/OFF controls for each of the four source inputs**

• **Line-level source inputs are adjustable for source-to-source input level matching**

• **Software configuration of individual zone turn-on volume, maximum volume, paging volume, treble, bass and balance**

• **Paging Input/Output connections**

Control Features:

• **Connections for up to six Sonance keypad controllers**

• **Sonance Control Manager software CD included**

• **Extensive macro capability**

• **RS-232 port for serial control (inbound or outbound)**

• **Six zone-specific IR outputs**

• **Four Common IR outputs**

• **Four Programmed IR outputs for controlling specific source components**

• **IR Link for distributing IR signals in expanded systems using up to four C4630 SEs**

• **Sync connections link multiple C4630 SE units for unified control in expanded systems**

• **Upgradeable firmware lets you easily add new features when they become available**

• **Optional IR remote control**

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Specifications:

Audio Performance

Output Power:	30 Watts RMS/ch x 12 @ 8 ohms
Frequency Response:	20Hz – 20 kHz ±3dB
Total Harmonic Distortion:	0.05% (1kHz);
	0.1% (20Hz –20kHz)
Signal-to-Noise Ratio:	-95dB
Source Input Sensitivity:	200mV
Source Input Impedance:	30k ohms
Source Input Voltage (max):	2.0VAC RMS
Source Output Impedance:	100 ohms (buffered)
Zone Line Output Impedance:	100 ohms
Zone Line Output Level (Fixed):	1:1 (Unity Gain)
Zone Line Output Level (Variable):	0dB – +19dB (All volume settings at maximum)

Audio Connections

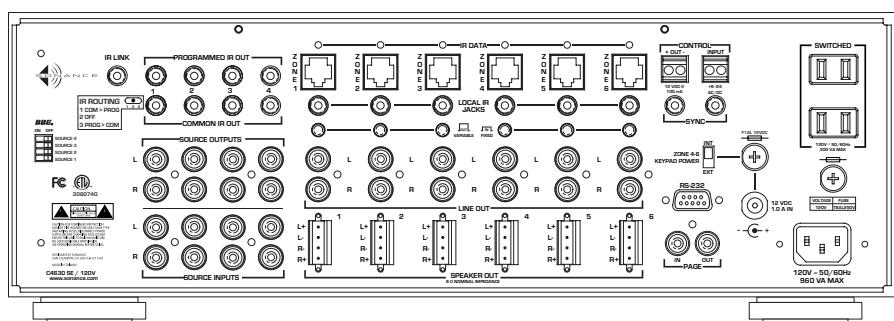|	
Source Inputs:	4 x Stereo RCA connectors
Source Loop Outputs:	4 x Stereo RCA connectors
Zone Line Outputs:	6 x Stereo RCA connectors
Speaker Outputs:	6 x Removable 4-pin screw connectors
Paging Connections:	1 x Mono RCA (input); 1 x Mono RCA (output)

Control Connections

Keypad Connections:	6 x RJ45 connectors
IR Outputs: (Mono 3.5mm connectors)	6 x Zone-specific; 4 x Common; 4 x Programmable 1 x IR Link
Serial Control:	RS-232 connector
Serial Protocol (Inbound):	19.2K Baud, 8NI
Serial Protocol (Outbound):	Adjustable
Sync Connections:	2 x Mono 3.5mm connectors
12V Control Input/Output:	Screw-to-Connect (14AWG compatible)
Computer Connection:	1 x USB

General

Power Requirements:	120VAC, 60Hz
Power Consumption:	960 Watts (Max power, 12 channels driven)
AC Convenience Outlets:	2 switched outlets
Zones 4 – 6 Keypad External Power:	12VDC, 1A (defeatable)
Dimensions (W x H x D):	16¾" x 6" x 15" (425mm x 152mm x 381mm)
Rack Space Requirements:	3U
Weight:	33 lbs (15kg)

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