



RCS ROOM COMBINING SYSTEM

The Oxmoor RCS™ Room Combining System consists of:

- RCM-4™ Logic Module
- RMX-44™ Mixing Matrix
- DCA-2™ Digital Control Attenuator
- RC-16™ Remote Controls

Using these components, Oxmoor offers two-room, three-room, and four-room combining systems with volume control.

As a matrixing and level control ensemble, the combining system is positioned between the line-level outputs of the individual zone mixers and the inputs of their power amplifier.

At the heart of the system is the RCM-4 Room Combining Module. The RCM-4 sends out several types of control messages: it delivers both zone-combining and source-selection commands to an RMX-44 Mixing Matrix. The block drawing illustrates an optional Control Panel which serves as the module's user interface.

When combining zones, the RMX-44 mixes all signal sources (mixer outputs) within the combined zones. Also, all RC-16 Remote Controls within the combined zones will be linked together and forced to a common preset level. This allows all RC-16s in each combined zone to serve as master level controls over all speakers in the combined system.

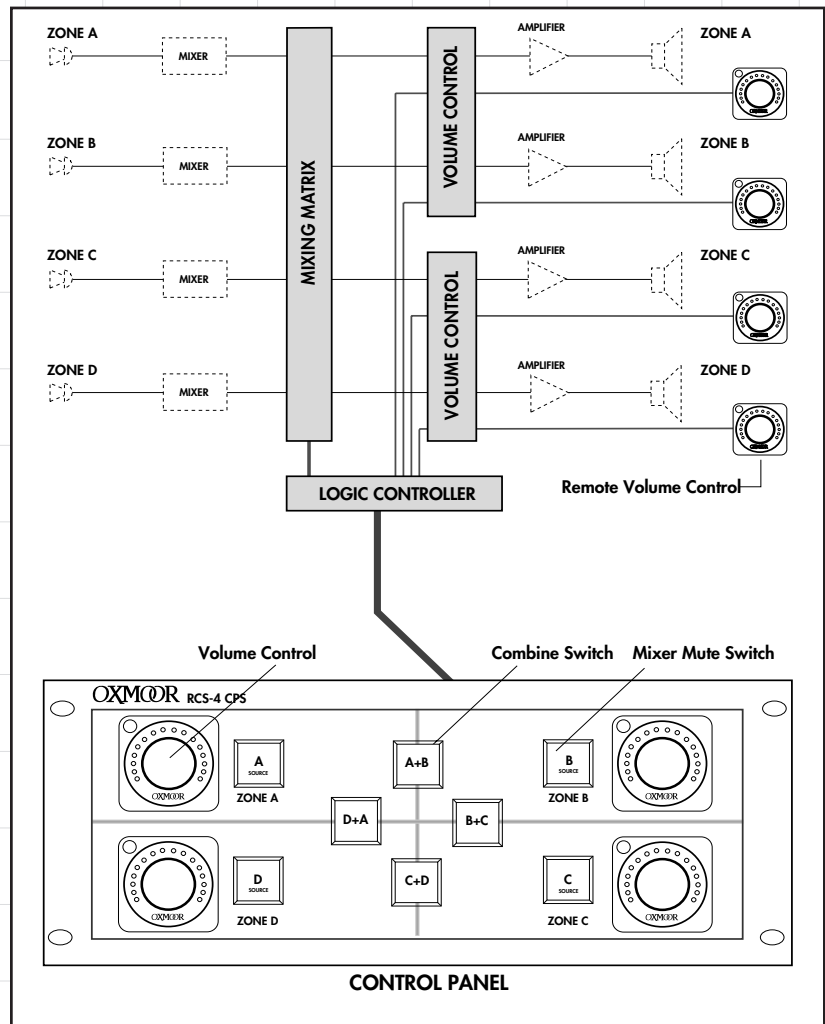
The combining system may be user programmed for two different modes of operation when

zones are combined. One configuration allows the RMX-44 to mix all sources within the combined zones. Because all sources within the combined zones are active, microphones, etc. may be plugged in wherever desired within the combined zones.

The second configuration mutes the sources (using the Mixer Mute Switch) of the combined zones, allowing the user to select a source (mixer) or a combination of sources

to be used within combined zones. The user can select where the head table will be – where the entertainment microphones will plug in – without any chance of hum, buzz, or ambient noise from unused sources.

For more information on any Oxmoor product, please contact the Oxmoor Sales Department. Or download complete product brochures and manuals at our website: www.oxmoor.com.



RCS-4CPS Room Combining System

RCS FEATURES & SPECIFICATIONS

- Compatible with most existing mixers and amplifiers.
- Up to 4 independent "local" sound systems, such as adjacent banquet or meeting rooms, may be treated as "zones" and instantly combined to create one larger system.
- A mix of 2, 3, or 4 zones may be combined without sacrificing the autonomy of those excluded.
- The RCS may be programmed to mix all sources (mixer outputs) within the combined zones, allowing source microphones, etc., to be plugged in anywhere desired.
- The RCS may be programmed to mute all sources (mixer outputs) within combined zones, allowing user to selectively activate sources within the combined zones.
- The RCS offers a Wake-Up level control. On power up all remote volume controls are reset to a predetermined level.
- Remote audio level control is available for each independent zone using RC-16s.
- Each RC-16 Remote Control has a unique LED array which provides a Virtual Pointer to show system level in 3 dB steps.
- The standard system configuration allows all RC-16 Remote Controls to be linked together within combined zones. All RC-16s are in sync and will track "up" or "down" adjustments made at any of the RC-16s within the combined system.

FREQUENCY RESPONSE 4 Hz to 60 kHz +0, -3 dB
(Ref. +4 dBm Output at Unity Gain)

HUM AND NOISE -80 dB (Ref. 0 dBm Output at Unity Gain)

DISTORTION (THD OR IMD) ... -80 dB (Ref. +4 dBm, 20 Hz to 20 kHz)

AUDIO INPUTS Four Channel, XLR 3-pin Connectors,
Input Impedance 80 k Ohms

AUDIO OUTPUTS Four Channel, XLR 3-pin Connectors,
Output Impedance 75 Ohms

MAX INPUT/OUTPUT LEVEL .. +20 dBu

VOLUME CONTROL RANGE 0 to -43.5 dB in 29 Steps, Plus a
90 dB Full Attenuation "Kill" Step

TRIM POT GAIN RANGE ±15 dB (Ref. 0 dBu Output)

MECHANICAL DCA-2 Digital Control Attenuator, RMX-44 Mixing Matrix, and RCM-4 Room Combining Module are 1U Rack-Mount Devices. The Oxmoor Master Control Panel is a 4U Rack-Mount Panel.

Specifications subject to change without notice.

SYSTEM CONFIGURATION

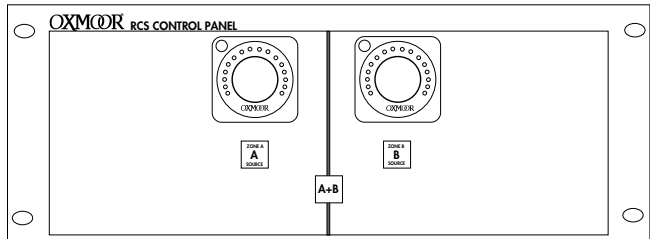
The RCS is available as a two-room, three-room, or four-room combining system.

SYSTEM COMPONENTS

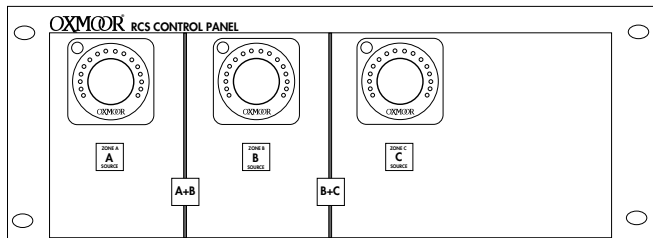
- Oxmoor's Master Control Panel (Optional)
- RCM-4 Room Combining Module
- RMX-44 Mixing Matrix Module
- DCA-2 Digital Control Attenuator
- RC-16 Room Volume Controls
- Wall Mounting Plates For RC-16s
- System Wiring Harness

CONTROL PANEL OPTIONS

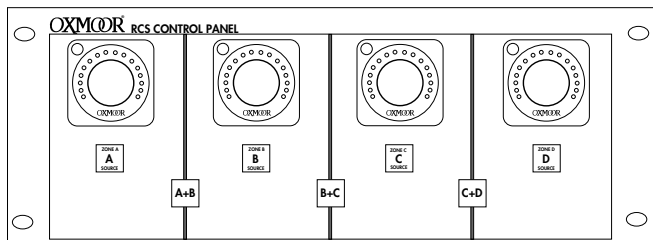
Below are Oxmoor's Master Control Panel options for the RCS. The system may be purchased without panels to permit contractor fabrication of custom panels.



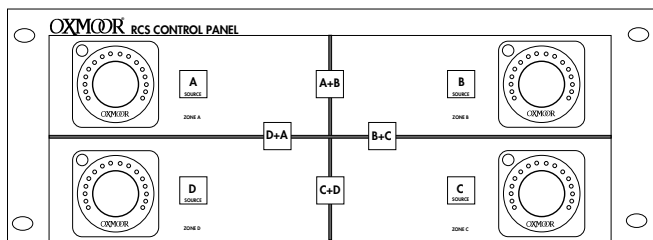
RCS-2CP



RCS-3CP



RCS-4CPR



RCS-4CPS