

Multi Room Audio Matrix Switcher

**560884**

The Clipsal C-Bus Multi Room Audio Matrix Switcher provides a means for distributing audio throughout a home. The Matrix switcher provides up to eight zones of audio output, from six source inputs. C-Bus input units are used in each zone to select the source and adjust the volume, bass and treble. C-Bus input units used can include wall switches, DLTs, touch screens etc.

Two mono audio inputs are provided to broadcast messages to all zones simultaneously. These can be used with audio sources such as a doorbell, intercom or public address system.

When the Matrix Switcher is used in conjunction with Multi Room Audio Amplifiers, each zone (equipped with one of more Amplifiers) has control over which source it receives.

Audio distribution is performed via digital connection to maintain audio quality. Amplifiers may be located up to 45 metres from the Matrix Switcher.

The Matrix Switcher has the capability of announcing the name of an input source whenever it is selected. This annunciation is broadcast through the speakers in the zone where the input source has changed. Annunciation provides instant feedback when changing the source selection using a C-Bus switch, amplifier or remote control. This feature may be disabled by the installer.

The Matrix Switcher is installed in a room together with audio sources such as the radio tuner, CD player and digital TV set top box. Connections are made to the amplifiers and to C-Bus.

Since Cat-5 cable may be used for several purposes within the same installation, it is recommended you use green cable for digital audio connections, pink for C-Bus and blue for Ethernet.

The Multi Room Audio Matrix Switcher incorporates both a software selectable C-Bus system clock and a software selectable network burden. The system clock is used to synchronise data communication over a C-Bus network, and for the network burden to be enabled, the system clock must also be enabled.

A Matrix Switcher has a built-in C-Bus Power Supply, which provides 330mA to the C-Bus network. The unit supplies enough power for at least seven Multi Room Amplifiers and seven C-Bus Wall Switches (such as the Saturn or DLT).

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- Fully digital, noise free audio reproduction
- Stereo analogue inputs (4 x RCA pairs)
- Two mono annunciation inputs
- Voice annunciation of channel changes (software configurable)
- One fibre-optic SPDIF input (digital audio compatible)
- One custom digital input for cascading on multiple matrix switchers
- Eight Stereo zone outputs
- Cat 5 RJ45 sockets for connection to C-Bus network
- Reticulated IR support
- User interface LCD display and tactile switches
- Built-in C-Bus Power Supply
- Incorporates both a network burden and C-Bus system clock (software selectable)
- Supports DLT (Dynamic Labelling Technology)
- Inbuilt C-Bus to IR (NIRT)
- Supports dynamic function buttons
- As of Rev2, support for eight audio scenes
- Supplies limited power to MRA amplifiers
- Dimensions: W=424.3mm, H=74.1mm, D=288.3mm
- Weight: 3.7kg.

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A member of the Schneider Electric Group.

Head Office

12 Park Terrace, Bowden
South Australia 5007
PO Box 103 Hindmarsh
South Australia 5007

Telephone +61 8 8345 9500
Facsimile +61 8 8346 0845
Internet www.clipsal.com/cis
E-Mail cis@clipsal.com.au

CIS Technical Support Hotline:
1300 722 247

Customer Service Enquiries:
1300 2025 25

National Customer Service Facsimile:
1300 2025 56

International Enquiries

International Sales and Marketing

Telephone +61 8 8269 0587
Facsimile +61 8 8340 7350
E-Mail export@clipsal.com.au

New Zealand

Clipsal Industries (NZ) Ltd
Telephone +64 9 576 3403

Malaysia

Clipsal Integrated Systems (M) Sdn Bhd
Telephone +60 3 7665 3555

Singapore

Clipsal Integrated Systems Pte Ltd
Telephone +65 6415 3232/3233

China

Clipsal China Limited
Telephone +86 755 8237 5959

Greece

Schneider Electric AE
Telephone +30 69 4646 3200

Hong Kong

Clipsal Integrated Systems (HK) Limited
Telephone +852 2487 0261

India

Schneider Electric India Pvt Ltd
Telephone +91 11 5159 0000

Indonesia

PT Clipsal Graha Nusa
Telephone +62 21 630 6430

Korea

Clipsal Korea Co. Ltd
Telephone +82 549 5550

Pakistan

Clipsal Pakistan (Pvt) Ltd
Telephone +92 21 506 7278

Philippines

Clipsal Philippines Inc.
Telephone +632 683 0275-78

South Africa

Clipsal South Africa (Pty) Ltd
Telephone +27 11 314 5200

Taiwan

Clipsal (Taiwan) Co Ltd
Telephone +886 2 2558 3456

Thailand

Clipsal Thailand Ltd
Telephone +66 2 952 5338-42

United Arab Emirates

Clipsal Middle East
Telephone +971 6 5570 777

United Kingdom

Clipsal Integrated Systems
C/o Schneider Electric
Telephone +44 870 608 8 608

Vietnam

Clipsal - VTEC
Telephone +848 856 3002



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