C-Bus



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 swicthes, 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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