

C-Bus Multi-Room Audio 25W Remote Amplifier

C-Bus[®]

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by **Schneider Electric**



560125R/2

The Multi-Room Audio (MRA) Remote Amplifier is used as part of a C-Bus enabled audio distribution system. It provides audio which is controllable via C-Bus wall switches and other C-Bus devices such as the C-Touch Colour Touch Screen.

MRA Remote Amplifiers are typically used in conjunction with the MRA Matrix Switcher. A Matrix Switcher distributes audio from multiple sources (such as radio, TV and CD player) to up to eight zones (a zone consists of one or more MRA Amplifiers).

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

Remote Amplifiers can also be used without a Matrix Switcher. In this case, a Distribution Unit is used to distribute audio from a single source (such as a radio) to one or more MRA Amplifiers.

In addition to the distributed audio, each MRA Amplifier accepts a local audio source (local input). This allows you to connect audio from a source (such as a PC or portable audio player), which will be available to the specific amplifier only. Amplifiers also have volume controlled line level audio outputs (ZONE OUT), which can be connected to other audio equipment.

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

Since Cat5 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 Remote Amplifier 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.

Multi-Room Audio Amplifiers draw 22mA from the C-Bus network.

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Control and Management System

C-Bus Multi-Room Audio Remote Amplifier (560125R/2)

- Fully digital, noise free audio reproduction.
- “LOCAL IN” for connection to local music player or PC.
- “ZONE OUT” for connection to other audio equipment.
- Repeater function (digital audio pass-through capability).
- Cat 5 RJ45 sockets for connection to C-Bus network.
- Reticulated IR support.
- Draws 22mA from the C-Bus network.
- Incorporates both a network burden and C-Bus system clock (software selectable).
- Frequency response: 40Hz to 20kHz (± 1 dB).
- Supply voltage: 27V d.c. (powered by matrix swicher via audio connection) and /or 24V d.c. @ 3.75A (via external switch mode power supply) or 21V a.c. @ 3.5A (via external linear power supply).
- C-Bus supply voltage: 15-36V d.c. @ 22mA.
- Power consumption: 90W maximum.
- Maximum power output: 28W RMS into 4 Ω (0.514%THD).
- Dimensions: W=175.0mm, H=70.8mm, D=211.5mm.
- Weight: 1.6kg.

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