CP43/45ARP

RJ45 Wall Junction Box with Repeater

AUDAC

▶ Features

- **Digital Audio Repeater**
- **Extends the distance from 300 meter to 600 meter over UTP CAT 6 Cable**
- **RJ45 Connector on Front**
- **10-Pin Terminal Block on rear (in + out)**
- **Compatible with Audac, Niko, Legrand or other 45 x 45 mm (CP45ARP) and bTicino (CP43ARP) installation materials**
- **Easy installation**

▶ Applications

- **Private houses**
- **Industrial buildings**
- **Public buildings**
- **Offices**
- **...**

The AUDAC CP43/45ARP are wall junction boxes containing a repeater for extending the range of a digital audio signal transmitted over simple UTP CAT6 Cabling.

This can be useful when any audio input device with digital output is connected to a Digital Audio Matrix system. (for example: APM1xx Digital Paging Consoles or DW5065 All-In-One Wall Panels connected to R2 of M2 Matrix systems)

The maximum distance of digital audio transfer over UTP CAT6 cable is limited to 300 meters, but can be extended to a maximum of 600 meters when using the CP43/45ARP repeaters. The repeater should be placed at the centre of the total cable length.

The CP43/45ARP features an RJ45 connector on the front panel, whereto the input device can be connected. At the rear side, it features a 10-Pin Terminal block connector for both Input (same as RJ45) and Output connections.

When the cable exceeds a certain length, the voltage drop across the cable will increase, resulting in an insufficient voltage for powering the input device. For this purpose, the CP43/45ARP is fitted with an additional 24 Volt power connection whereto an external power-supply can be connected for powering the input device. (Should be placed within 133 meter of APM1xx or within 300 meter of DW5065).

The CP43/45ARP is available in two different sizes, 43 mm and 45 mm, depending of the used installation materials. The 45 mm version is compatible with Audac, Niko, Legrand and other 45 x 45 mm installation materials, while the 43 mm versions is designed to be used in combination with bTicino installation materials.

▶ Specifications

PRODUCT FEATURES		
Dimensions (Width x Height x Depth)	45 x 45 x 30 mm	
Weight net	0.06 Kg	
Connectors	Front	RJ45 Connector (Pin 1-8)
	Rear	10-pin Terminal Block Connector In and Output (3.81 mm pitch)
	Power	2-pin Screw Terminal
Built-in depth	Min. 40 mm	
Construction	ABS	
Finish	Soft-touch painting	
Mounting	45 x 45 mm Audac / Niko / Legrand	CP45ARP
	43 x 43 mm bTicino	CP43ARP
Colour	White (RAL9010)	CP43ARP/W CP45ARP/W
	Black (RAL9005)	CP43ARP/B CP45ARP/B
SHIPPING & ORDERING		
Packaging	Carton box	
Shipping weight & volume	70 g - 0.0002 Cbm	
Optional accessories	CP45CF1 Cover frame (1 unit)	
	CP45CF2 Cover frame (2 unit)	
	PSD242 - 24 Volt Power Supply	

*AUDAC reserves the right to change specifications without notice: this is part of our policy to continually improve our product