

DEVIO INSTALLATION GUIDE

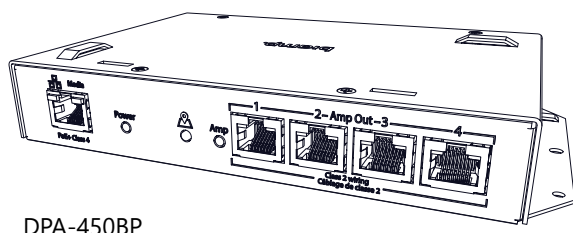


DEVIO
PoE+ 4-Channel Amplifier
DPA-450BP

PRODUCT FEATURES

- Designed to work with and connect to Devio UCX systems
- A four-channel PoE+ (IEEE 802.3at Class 4, 30W) conferencing amplifier for use in Devio UCX systems.
- Suitable for air handling spaces, the amplifier is designed to be mounted directly to the back of a Desono™ C-IC6 or C-IC6LP loudspeaker, minimizing cabling requirements.
- Has an internal limiter, and is capable of providing 3 watts of continuous power to all four channels.
- System can be discovered and registered with Biamp Workplace Tools
- Plenum-rated, subjected to testing per UL 2043

IN THE BOX



DPA-450BP

Documentation

Safety Guide
QR Sheet

Suggested Tools

Phillips Screwdriver
Straight Screwdriver

Hardware

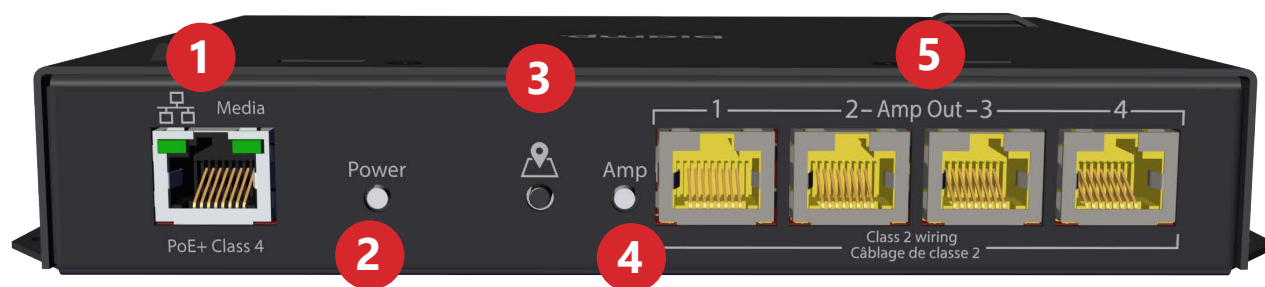
Clips (2)



support@biamp.com



biamp.com



FRONT PANEL AND CONNECTORS

1. Network / Media Port

This RJ-45 port may be connected directly to the Devio UCX (2000/3000) PoE+ port 3 or 4. IEEE 802.3at Power over Ethernet Plus (POE+) Class 4 is required as there are no other provisions for power to this amplifier.

2. Power/System LED Status Indicator

A multi-color LED provides information about the status of the device.

Status	LED Indicator
No Power	Off
Powered but not ready to receive configuration	Red Solid
Ready to receive configuration or updating firmware	Yellow Solid
Configured and ready to participate in the system	Green Solid
Amplifier is in Locate mode (triggered from the software)	Green Flashing
Unit has a Major Alarm condition	Red Flashing
Unit has a Minor Alarm condition	Yellow Flashing
Unit has both a Major and Minor Alarm condition	Red/Yellow Flashing

3. Locate

Pressing the locate button will play an audible signal that cycles through each connected output.

4. Amp Status

A multi-color LED provides information about the status of the amplifier.

Status	LED Indicator
No Power	Off
Clip detected	Red Solid
Amplifier limiter engaged	Yellow Solid
Powered	Green Solid
Amplifier is in Locate mode (triggered from the software)	Green Flashing
Amplifier has failed to initialize, an error is present, or the amp is temporarily muted due to an audio burst	Red Flashing
PoE+ power is not available or insufficient to power the amplifier so it has been turned off	Red/Yellow Flashing

5. Outputs 1-4

RJ-45 speaker connections. 4 x 3W RMS or 2 x 7W RMS or 1 x 15W RMS output at low impedance 4Ω/8Ω.

Important: Installation and Safety instructions are in both English and French. English will be in the left column with the French instructions on the right column.

Important : Les instructions d'installation et de sécurité sont rédigées en anglais et en français. L'anglais figure dans la colonne de gauche et les instructions en français dans la colonne de droite.

INSTALLATION

IN A CORNER ABOVE A CEILING TILE

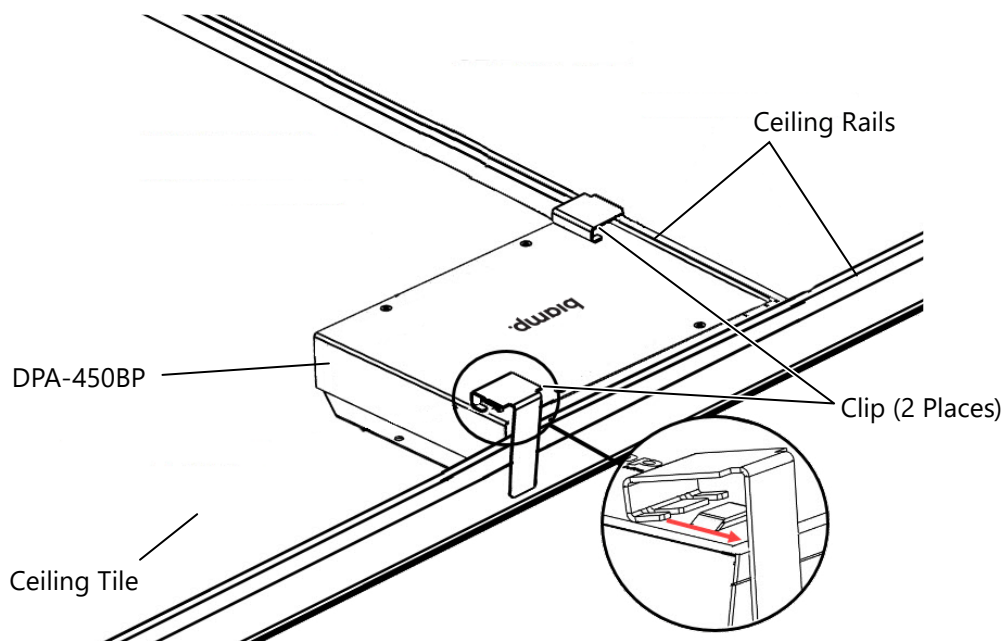
This installation option places the DPA-450BP on a ceiling tile in a corner where two tile rails meet. This can also be accomplished with an optional TB-1 tile rail placed across a ceiling tile.

1. Install the clips on the notched fittings of the DPA top cover as shown.
2. Fit the clips over two perpendicular tile rails (in the corner) above the ceiling tile with the cable ports facing out.

DANS UN COIN, AU-DESSUS D'UNE DALLE DE PLAFOND

Cette option d'installation consiste à placer le DPA-450BP sur une dalle de plafond, dans un angle où se rejoignent deux rails de support.

1. Cette opération peut également être réalisée à l'aide d'un rail de support TB-1 (en option), positionné en travers d'une dalle de plafond. Installez les clips sur les boîtiers crantés du capot supérieur du DPA, tel qu'illustré sur l'illustration.
2. Enclenchez les clips sur deux rails de support perpendiculaires (dans un angle), au-dessus de la dalle de plafond, en orientant les orifices de passage des câbles vers l'extérieur.



Above-Ceiling Tile Corner Installation

Suitable for use in environmental air spaces (plenums) in accordance with Section 300.22(C) of the National Electrical Code, and Sections 12-128, 12-010(3), and 12-100 of the Canadian Electrical Code, Part 1, CSA C22.1.

Peut être utilisé dans des gaines transportant de l'air traité, conformément à la section 300.22(C) du National Electrical Code et aux articles 12-128, 12-010(3) et 12-100 du Code Canadien de l'électricité, Première partie, CSA C22.1.

INSTALLATION

MOUNTING ON A C-IC6 SPEAKER

The DPA-450BP is designed to mount on top of and power a Desono C-IC6 or C-IC6LP ceiling loudspeaker with an optional Backpack Clip kit (BPAK). The DPA-450BP includes a cover to protect Euroblock and RJ-45 connections on the DPA-450BP and loudspeaker and ensure that the amplifier doesn't move in the clips.

See images 1 through 3 below. To install the DPA-450BP on the C-IC6 loudspeaker with the BPAK, do the steps that follow:

1. Attach the BPAK clips to the mounting locations on each side of the speaker with the provided hardware as shown.
2. Fully slide the DPA-450BP into the clips.
3. Connect the loudspeaker to the DPA-450BP with Ethernet cable via the RJ-45 ports on both devices. *(not shown)*

1



Clip Installation

2



DPA-450BP Installation

MONTAGE SUR UNE ENCEINTE C-IC6

Le DPA-450BP est conçu pour être monté sur un haut-parleur de plafond Desono C-IC6 ou C-IC6LP et l'alimenter grâce au kit de fixation Backpack Clip (BPAK) en option. Le DPA-450BP est fourni avec un cache protégeant les connexions Euroblock et RJ-45 du DPA-450BP et du haut-parleur, empêchant ainsi l'amplificateur de bouger dans les fixations.

Voir les figures 1 à 3 ci-dessous. Pour installer le DPA-450BP sur l'enceinte C-IC6 à l'aide du kit BPAK, veuillez suivre les étapes ci-dessous :

1. Fixez les clips BPAK aux emplacements de montage situés de chaque côté de l'enceinte, en utilisant la visserie fournie comme indiqué sur l'illustration.
2. Insérez complètement le DPA-450BP dans les clips.
3. Branchez l'enceinte au DPA-450BP à l'aide d'un câble Ethernet, en utilisant les ports RJ-45 présents sur les deux appareils. *(non illustré)*

INSTALLATION (CONTINUED)

Make sure the knock-out is removed on the DPA-450BP cover. Use of a cable clamp in that opening is recommended to provide strain relief for the cables.

4. Make any additional connections from the amplifier to the Devio UCX or other loudspeakers. Feed cabling through the knock-out and install the cover on to the loudspeaker and amplifier.
5. The cover has tabs that slide into the top of the amplifier and then is secured to the speaker by a thumbscrew.
6. Install the speaker per the appropriate C-IC6 Installation Guide.

Assurez-vous que l'encoche prédécoupée du couvercle du DPA-450BP est retirée. L'utilisation d'un serre-câble dans cette ouverture est recommandée afin de soulager la tension exercée sur les câbles.

4. Faites toutes les connexions supplémentaires requises entre l'amplificateur et le Devio UCX ou d'autres enceintes. Faites passer les câbles à travers l'ouverture prédécoupée, puis installez le capot sur l'enceinte et l'amplificateur.
5. Le capot est doté de pattes qui s'insèrent dans la partie supérieure de l'amplificateur ; il est ensuite fixé à l'enceinte à l'aide d'une vis à molette.
6. Installez l'enceinte conformément au Guide d'installation du modèle C-IC6 correspondant.

4 5



Cover Installation



Shown mounted to a C-IC6LP

WIRING AND CONNECTIONS

The DPA-450BP connects to a Devio UCX for audio and control via the network RJ-45. Cabling should be Cat 5e or better.

The DPA-450BP has four RJ-45 ports (channels) for speaker connections. For consistency, connections to the speaker should be made to the left hand RJ 45 port on the speaker. If a second speaker is added, cable should be connected from the right port to the left port on the second speaker.

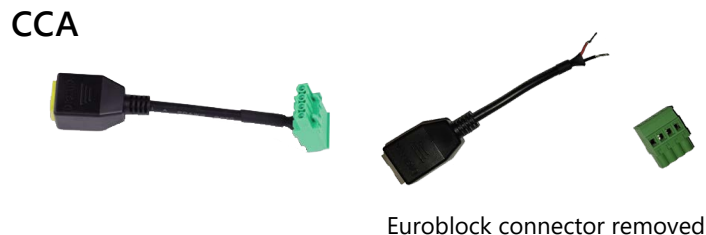


8 ohm Desono speakers that do not have RJ-45 ports can be connected by using an optional CCA adapter for each Cat 5e cable from the amplifier to the speaker.

Plug the Cat 5e cable into the amplifier and the adapter. Remove the Euroblock connector and wire the adapter red (+) and black (-) wires to the speaker terminals.

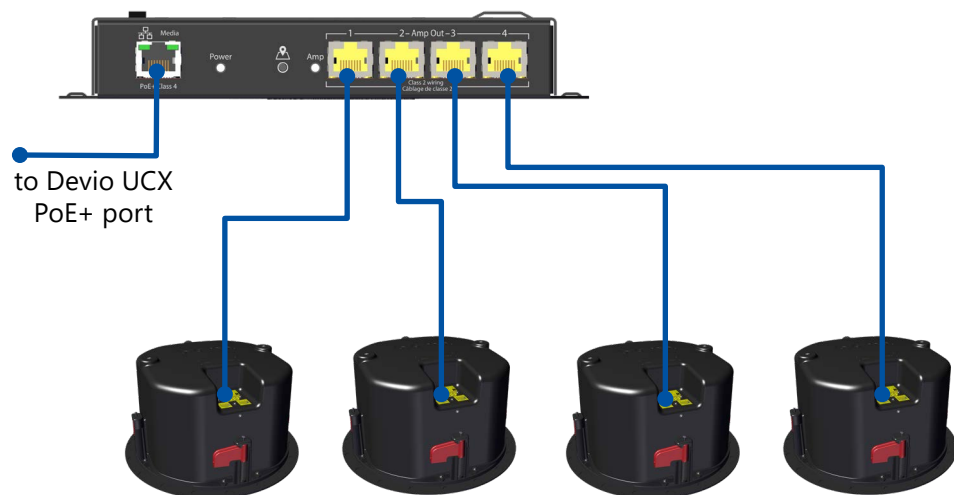
Les haut-parleurs Desono de 8 ohms qui n'ont pas de ports RJ-45 peuvent être connectés à l'aide d'un adaptateur CCA optionnel pour chaque câble Cat 5e reliant l'amplificateur au haut-parleur.

Branchez le câble Cat 5e à l'amplificateur et à l'adaptateur. Retirez le connecteur Euroblock et raccordez les fils rouge (+) et noir (-) de l'adaptateur aux bornes du haut-parleur.

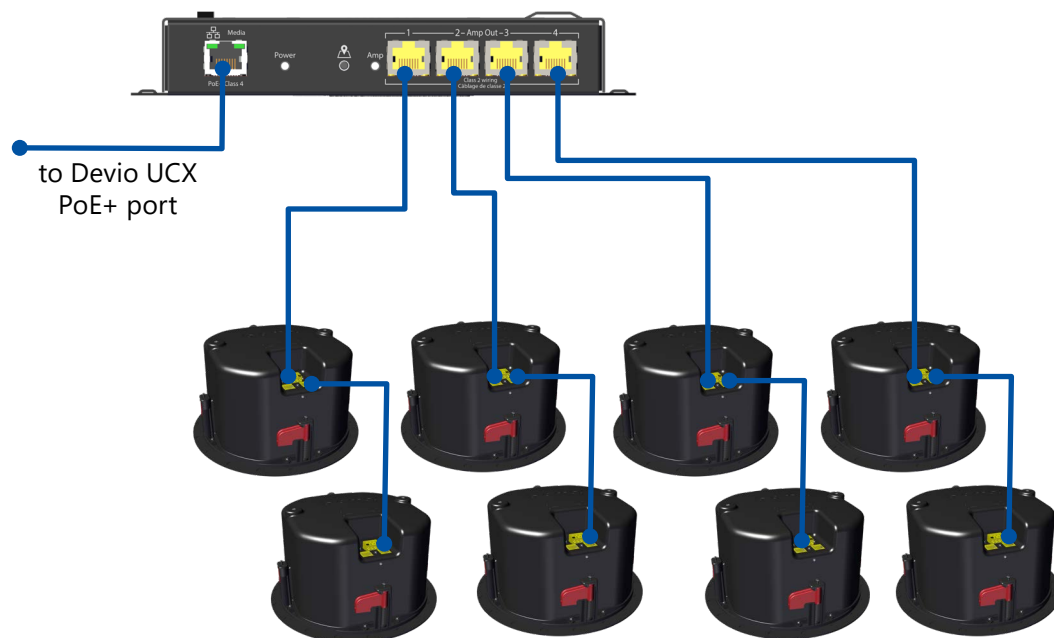


TYPICAL WIRING EXAMPLES:

1-4 Speakers (8 ohm)



5-8 Speakers (4 ohm)



OPERATION

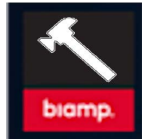


Initiating the setup process on the Touch 10 UCX console after all connections are made to the Devio UCX system is the way to configure the system. Running Biamp Launch will discover, configure and tune connected audio devices in the room. A full performance report will be generated after the process is completed.

Setting up an account and organization in Biamp Workplace will allow you to discover and register your devices and manage them remotely. Additional details about Biamp workplace are available on the website, on [Cornerstone](#) or in the [Workplace Admin Help](#) file.

Click this [Downloads](#) link to access and choose the appropriate software. Search under Workplace for Workplace Tools.

Workplace Tools is suggested to discover, connect to, and register devices in a Workplace org.



Workplace Tools

OPTIONAL ACCESSORIES

BPAK - Backpack Kit includes an enclosure, clips and hardware to attach a DPA-450BP or DCM-XA, network box to a C-IC6/C-IC6LP loudspeaker.

CCA - Converts a Cat-5 cable to a 2-wire with attached euroblock for connections to speakers other than C-IC6/C-IC6LP.

Seismic Cable Adapter: Cable adapter for plenum boxes

C5E-10-P, C5E-25-P: 10' and 25' pre-terminated Cat 5e cables

Tesira TB-1: Ceiling tile bridge for above-the-ceiling plenum boxes.

CONTACT US

email: support@biamp.com

web: support.biamp.com

warranty: biamp.com/legal/warranty-information

safety & compliance: biamp.com/compliance

29JUL2026



support@biamp.com



biamp.com