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# USER MANUAL

## GIOVE EPF





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## 1 IMPORTANT SAFETY INSTRUCTIONS

This device is designed and manufactured to assure personal safety. Improper use can result in electric shock or fire hazard. The safeguards incorporated into this unit will protect you if you observe the following procedures for installation, use, and servicing.

- Follow all warnings and instructions marked on the product.
- Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
- Do not use this product near any liquids.
- Do not place this product on an unstable surface. The product may fall, causing serious damage to the product.
- Do not drop the product.
- Do not block the slots and openings on the top and bottom of the chassis; to ensure proper ventilation and reliable operation of the product and to protect it from overheating, these openings must not be blocked or covered.
- Operate this product only from the type of power indicated on the marking label.
- Do not allow anything to rest on the power cord. Do not locate this product where persons will walk on the cord.
- If an extension cord is used with this product, make sure that the total ampere rating of the equipment plugged into the extension cord does not exceed the extension cord ampere rating. Also, make sure that the total rating of all products plugged into the wall outlet does not exceed the fuse rating.
- Never push objects of any kind into this product through the chassis slots as they may touch dangerous voltage points or short out parts that could result in a fire or electric shock.
- Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:
  - When the power cord or plug is damaged or frayed.
  - If liquid has been spilled on the product.
  - If the product has been exposed to rain or water.
  - If the product does not operate normally when the operating instructions are followed. Adjust only those controls that are covered by the operating instructions since improper adjustment may result in damage and require extensive work by a qualified technician to the product to normal condition.
  - If the product has been dropped or the chassis has been damaged.
  - If the product exhibits a distinct change in performance, contact Vivaldi Customer Support.

Vivaldi S.R.L. it reserves the right to update this document at any time without notice.

## 2 PRODUCT OVERVIEW

The Giove EPF is amplification expansion module, created to bring the sound of a Giove Free to other areas. The device has no internal sources.

With its two inputs can handle another external source, in addition to the Giove Free signal.

Like Giove Free, Giove EPF is equipped with a Class D amplifier 25+25W. And power on and off controllable by cable through a contact.

Control power auxiliary devices through open-collector output.

Management by remote control infrared TCIR5, not supplied.

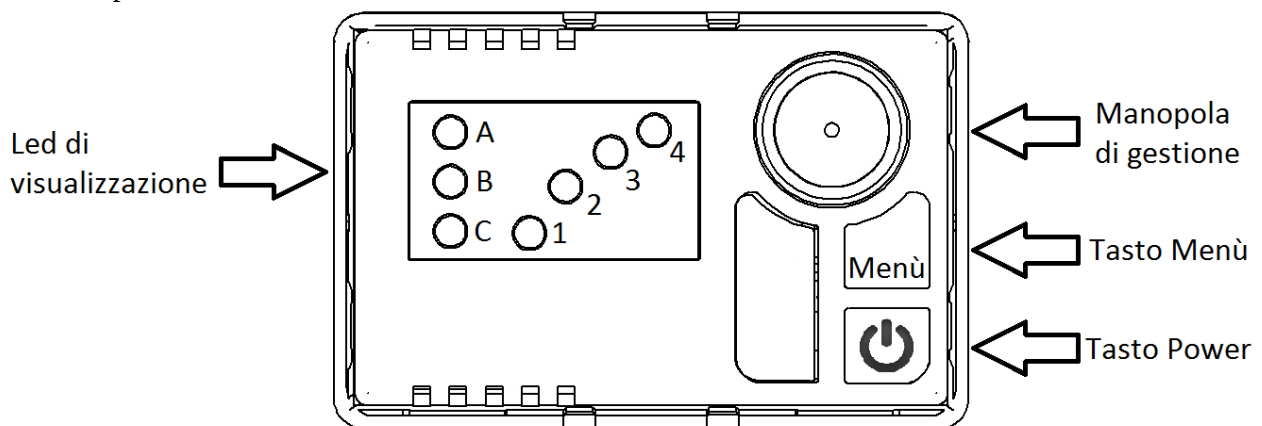
It can be mounted on a large variety of mounting frames, brands and models best known.

### 2.1 PACKAGE CONTENTS

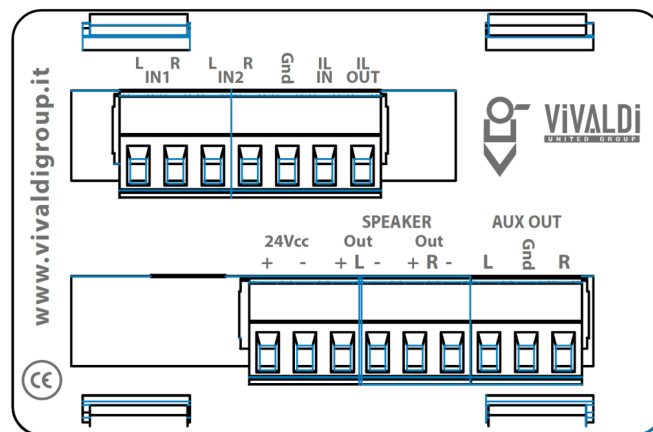
- Giove EPF
- Instruction

## 3 SPECIFICATIONS

- Control possibilities via the remote control infrared TCIR5.



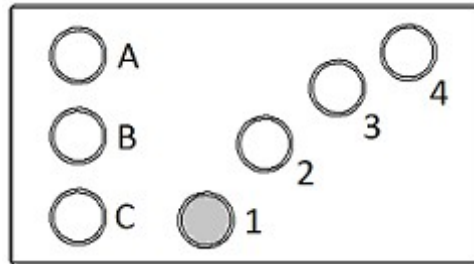
- SPEAKER OUT L/OUT R → 1 stereo amplified output 25W + 25W;
- IN1/IN2 → 2 stereo analog inputs selectable;
- 1 stereo analog output;
- 1 IL-IN control input for switching on and off;
- 1 open-collector output for control of an auxiliary device;



## 4 FUNCTIONS AND MENUS

### 4.1 POWER ON / OFF

With a single press of the Power button you can turn on and off the device.  
 Once switched on, it displays the volume status, through the white LED, with a staircase indicative of 1 to 4.



*Device ON*

In this state you can:

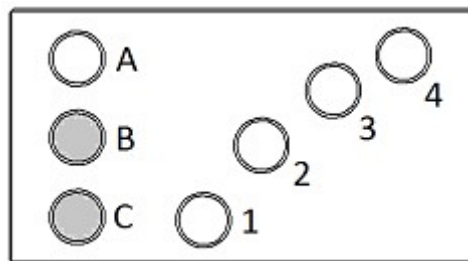
1. Adjust the volume with the management knob
2. Use the remote to control the Giove EPF
3. Enter the menu with the Menu button

#### 4.1.1 Remote power On / Off

The switching on and off can be managed remotely via the IL-IN input.

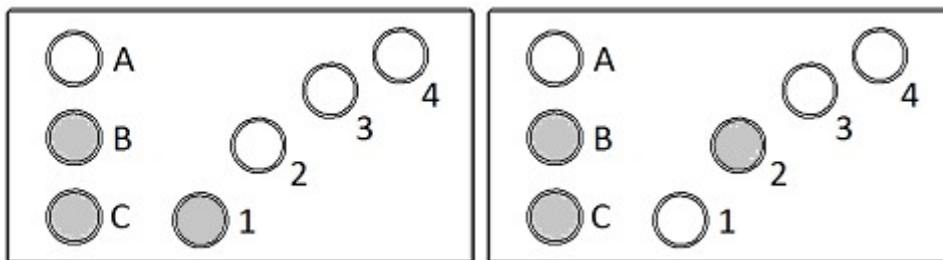
You must connect a contact between terminal blocks IL-IN and GND.

This can be configured in two modes: Impulsive and Toggle. In connection with Giove Free you set it to bistable. To enter the menu, simply press the menu button and turn the operating knob until you have the blue LED, B and C, on.



*IL-IN configuration menu*

Press the knob to enter the configuration menu and rotating the same you can select whether impulsive or bistable.



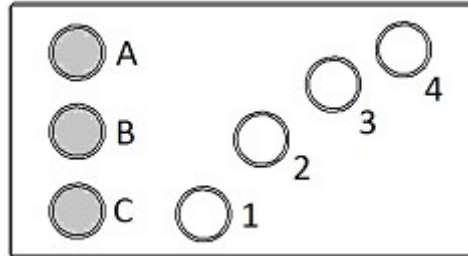
*Led 1 on impulsive*

*Led 2 on bistable*

Pressing the knob confirms the selection with the menu button to return to the initial state.

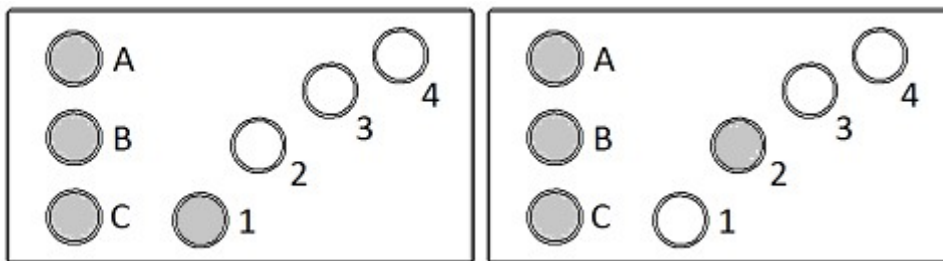
## 4.2 SOURCE CHANGE

To change between input 1 and 2 you must press the Menu button and turning the management knob for select the source menu, with LED A, B and C on.



*A,B,C on = Source Menu*

In the menu you can choose the source by turning the knob and pressing it will confirm the input 1 or 2.



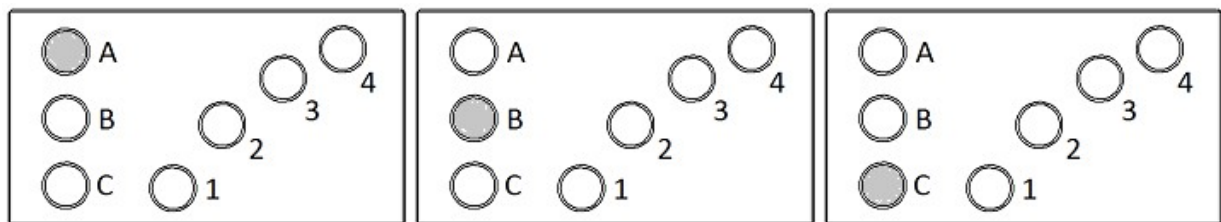
*Input 1 selected*

*Input 2 selected*

## 4.3 EQUALIZER

You can vary the treble, mid and bass in their menu.

Pressing the Menu button and rotating the management knob to select LED A can vary the treble tones, with the LED B is selected may vary the mid tones and with the LED C the bass tones.



*Treble tones menu*

*Mid tones menu*

*Bass tones menu*

Simply enter the menu by pressing the management knob and turning to select the corresponding LED, then confirm by pressing the knob.

The scale used for the equalization of each tone is as follows:

LED 1 ON	-6dB
LED 2 ON	-3dB
LED 3 ON	0dB
LED 4 ON	+3dB

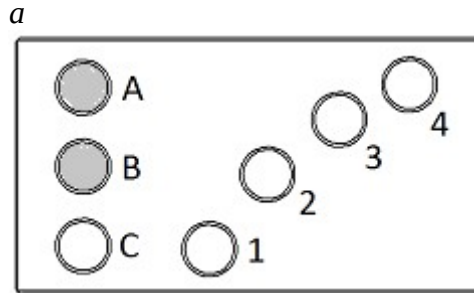
## 4.4 SOUND OUTPUT MODE

The Giove EPF have 4 possible configurations, for AUX OUT line output and speakers output.

The AUX OUT output you can set it with a fixed volume or variable volume.

The speaker output can be set to MONO or STEREO.

To change the various features, you enter the menu by pressing the Menu button and turn the knob management, until the to have the LEDs B and C on.



*Audio output mode menu*

To enter the menu, simply press the knob and the 4 available modes can be selected by scrolling through the LED 1 to 4 and confirming your selection by pressing the knob.

According to this table:

LED 1 ON	SPEAKERS IN <b>MONO</b> , AUX OUT VOLUME <b>FIX</b> (STEREO)
LED 2 ON	SPEAKERS IN <b>STEREO</b> , AUX OUT VOLUME <b>FIX</b> (STEREO)
LED 3 ON	SPEAKERS IN <b>MONO</b> , AUX OUT VOLUME <b>VARIABLE</b> (STEREO)
LED 4 ON	SPEAKERS IN <b>STEREO</b> , AUX OUT VOLUME <b>VARIABLE</b> (STEREO)

## 5 CONNECTIONS

### 5.1 AUDIO OUTPUT

For audio output OUT R and OUT L of Giove EPF, you can connect a speaker minimum impedance of 40hm.

The Giove EPF has a maximum power of about 25+25W, it is possible to connect, at most, 2 pairs of speakers 80hm, in parallel between them.

The terminal blocks of the speakers outputs are not connected internally to the negative supply. Connect the speakers between terminal blocks +L or +R and GND may damage the amplifier of Giove EPF.

### 5.2 AUDIO INPUT

For the AUX1 audio input you can connect the AUX OUT of the Giove Free.

For the AUX2 audio input you can connect a device with an analog line output as, CD player, Web radio, etc.

### 5.3 CONTROL OUTPUT

The terminal block IL OUT is an Open Collector output which can be connected to the power on control of an auxiliary device.

When the Giove EPF is off the terminal block is connected to the GND. (Max.300mA)

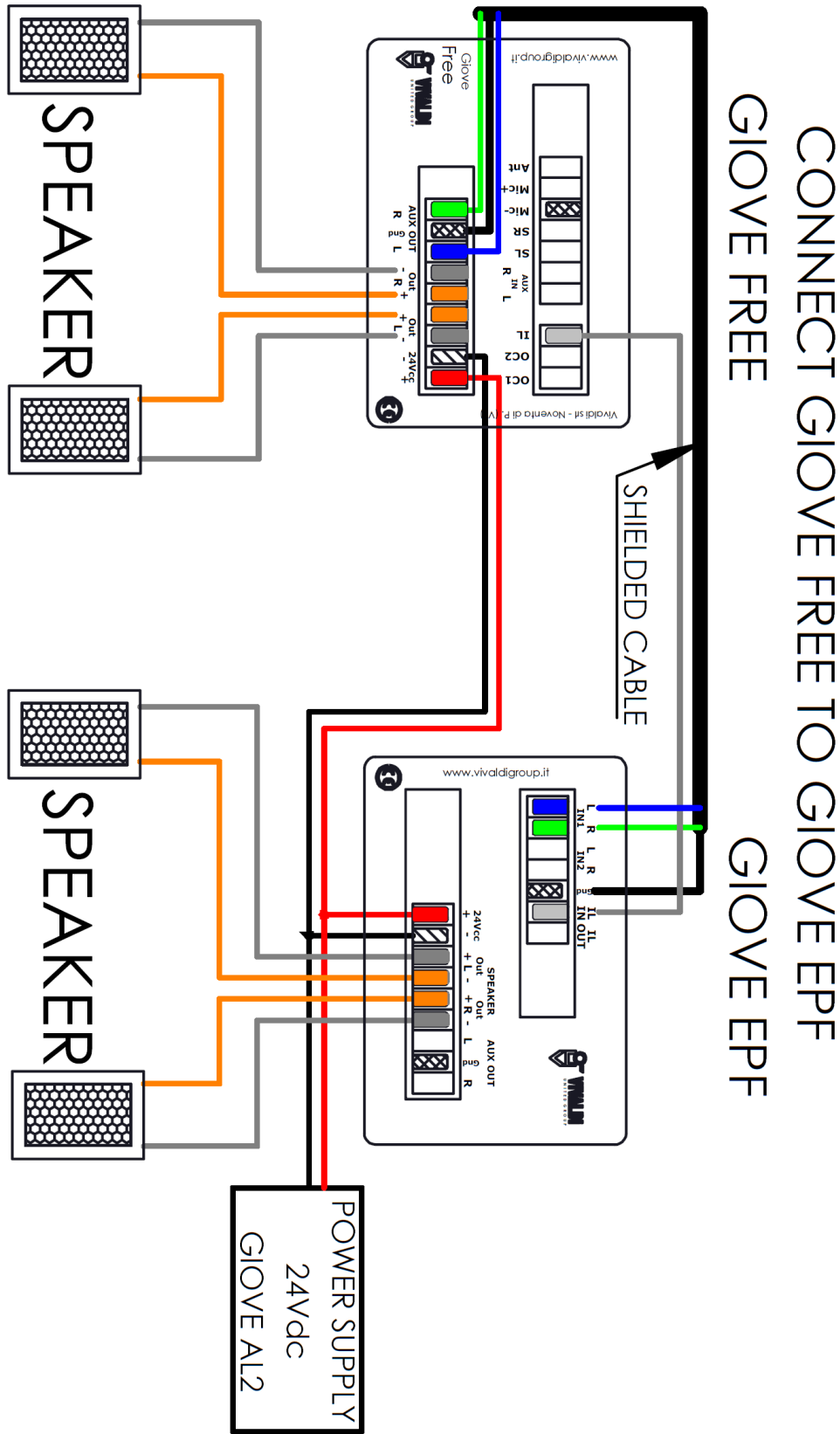
For example, you can connect the switch cards Giove PS7 or PS20.

### 5.4 CONTROL INPUT

To the terminal block IL IN can be connected to a normally open button, refers to GND.

You can connect to the terminal block IL of the Giove Free with IL IN of the Giove EPF to turn on the device at the same time of Giove Free. To use this you need to set the IL input to bistable.

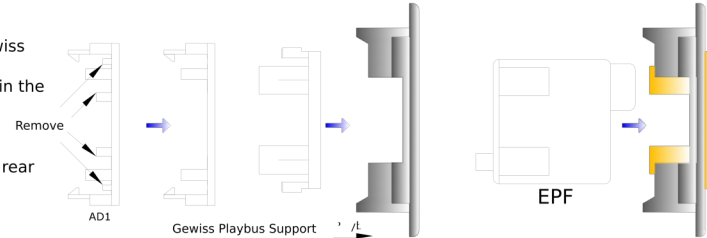
## 5.5 CONNECTION SCHEME



## 6 ADAPTERS

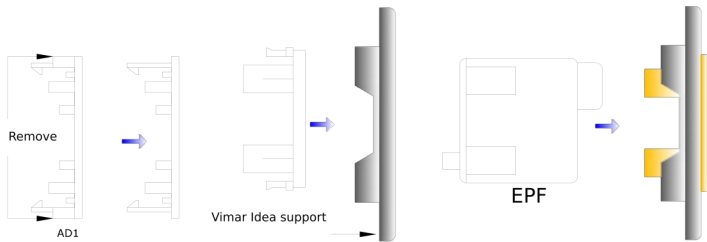
### GEWISS PLAYBUS SERIES

- For mounting of the EPF remote controls on Gewiss supports, use the AD1 adapter, removing the 4 anchoring points, on the two sides, as illustrated in the drawing.
- Insert the AD1 in the Gewiss Playbus support, until it is blocked.
- Fix the EPF remote control, by inserting it in the rear side of the support, until it is blocked.



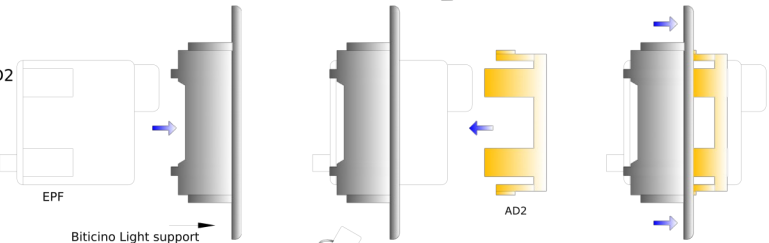
### VIMAR IDEA SERIES

- For mounting of the EPF remote controls on Idea series support, use the AD1 adapter, removing the 4 anchoring points, in the angles, as illustrated in the drawing.
- Insert the AD1 in the Vimar Idea support until it is blocked.
- Fix the EPF remote control in the support until it is blocked, as illustrated in the drawing.



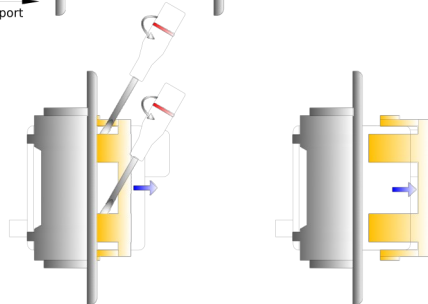
### BTICINO LIGHT SERIES

- For mounting of the EPF remote controls on Ticino Light series supports, use the AD2 adapter.
- Insert the EPF remote control in the Ticino support, as far in as it goes.
- Insert the AD2 adapter first on one side then on the other until the EPF remote control is blocked.
- Slide the Ticino support until blocking.



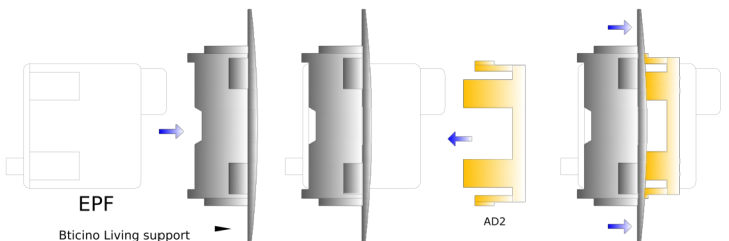
### DISASSEMBLING BTICINO LIVING/LIGHT SERIES

- For disassembling of the EPF remote controls from the Ticino Light series support, or Living, use a screwdriver inserting it as represented in the drawing and rotating it slightly until unblocking of the AD2 adapter.
- Simultaneously, pull moderately the adapter in the direction indicated in the drawing by the arrow.
- Proceed unblocking first on one side, then on the other.



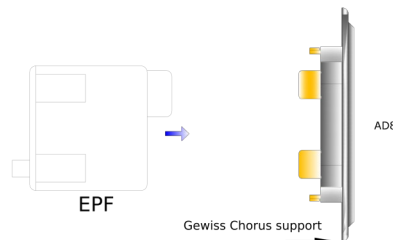
### BTICINO LIVING SERIES

- For mounting of the EPF remote controls on Ticino Living series supports, use the AD2 adapter.
- Insert the EPF remote control in the Ticino support, as far in as it goes.
- Insert the AD2 adapter first on one side then on the other until the EPF remote control is blocked.
- Slide the Ticino support until blocking.



### GEWISS CHORUS SERIES

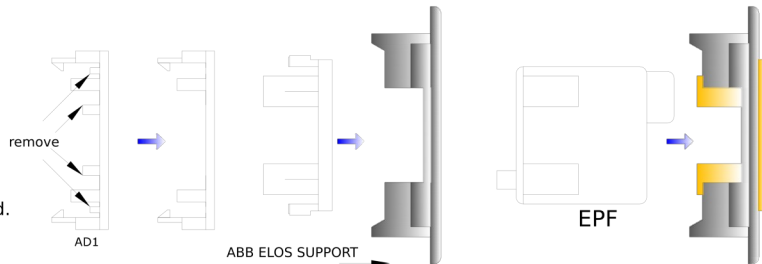
- For mounting of the EPF remote controls on Gewiss support, use the AD8 adapter that is supplied already provided with Gewiss Chorus series support.
- Fix the EPF remote control, inserting it in the back side of the mounting frame until it is blocked.





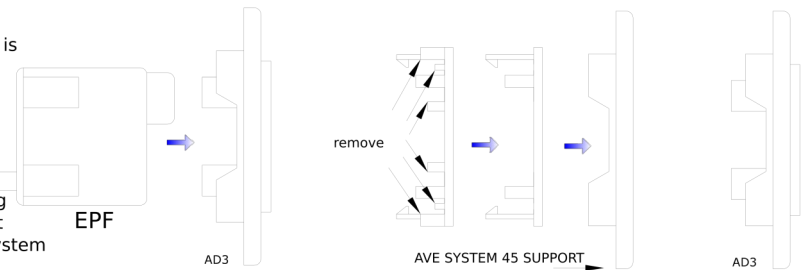
#### ABB ELOS SERIES

- For mounting of the EPF remote controls on ABB supports, use the AD1 adapter, removing the 4 anchoring points, on the two sides, as illustrated in the drawing.
- Insert the AD1 in the ABB ELOS support, until it is blocked.
- Fix the EPF remote control, by inserting it in the rear side of the mounting frame, until it is blocked.



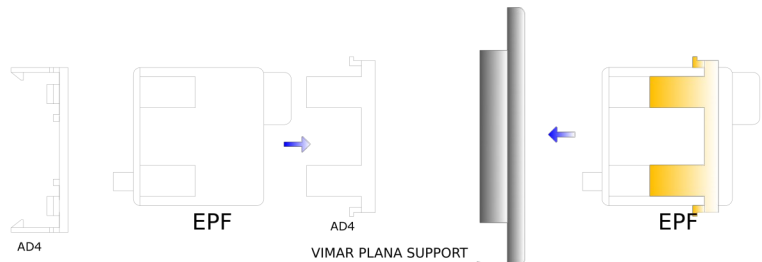
#### AVE SYSTEM 45 SERIES

- For mounting of the EPF remote controls on AVE supports, use the AD3 adapter, that is supplied already provided with AVE System 45 series support.
- Fix the EPF remote control, inserting it in the back side of the mounting frame until it is blocked.
- It is possible also to build up the AD3 adapter, by using an AD2 adapter, removing the marked anchoring points and blocking it by a two-component adhesive on an AVE System 45 support.



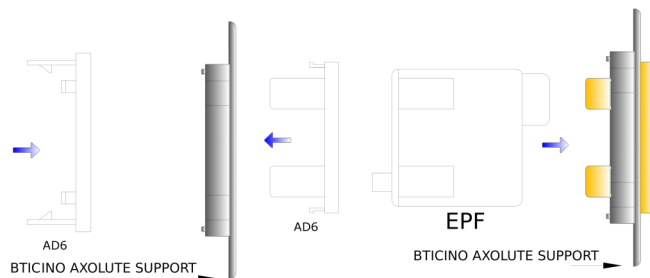
#### VIMAR PLANA SERIES

- For mounting of the EPF remote controls on Vimar Plana series support, use the AD4 adapter.
- Insert the AD4 adapter in the EPF remote control until blocking.
- Insert the EPF remote control in the Vimar support, until blocking.



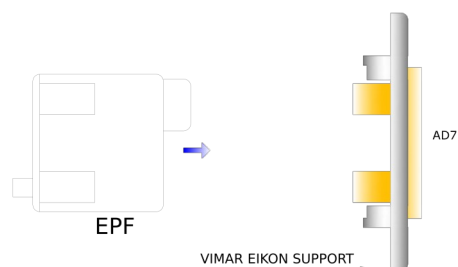
#### BTICINO AXOLUTE SERIES

- For mounting of the EPF remote controls on Bticino Axolute series supports, use the AD6 adapter.
- Insert the AD6 adapter in the Axolute support until blocking.
- Insert the EPF remote control in the Axolute support until blocking.



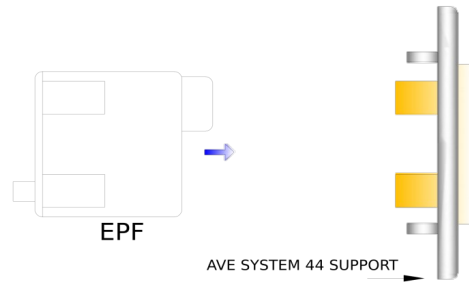
#### VIMAR EIKON SERIES

- For mounting of the EPF remote controls on Vimar Eikon series supports, use the AD7 adapter, that is supplied provided with the Vimar Eikon series support.
- Fix the EPF remote control, inserting it in the back side of the mounting frame until it is blocked.



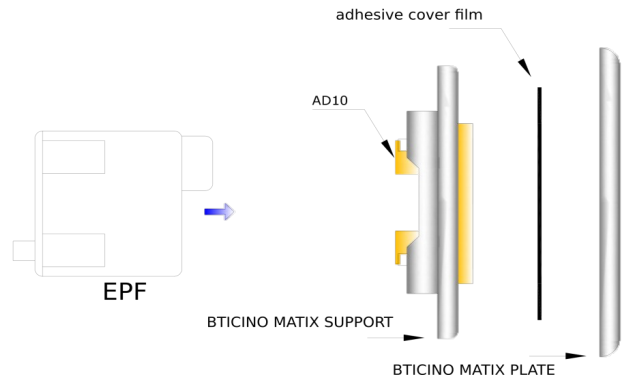
#### AVE SYSTEM 44 SERIES

- For mounting of the EPF remote controls on AVE System 44 supports, use the AD9 adapter, that is supplied provided with AVE System 44 series support
- Fix the EPF remote control, inserting it in the back side of the mounting frame until it is blocked.



#### BTICINO MATIX SERIES

- For mounting of the EPF remote controls on Bticino Matix series supports, use the AD10 adapter, inserting it in the mounting frame until blocking.
- Fix the EPF remote control, inserting it in the back side of the mounting frame until it is blocked.
- Lay the covering adhesive film on the front side, then fix the Bticino Matix series plate.



## 7 TECHNICAL SPECIFICATIONS

Dimension	66.5 x 43.6 x 61 mm
Weight	64 g
Supply Voltage	24Vdc
Maximum Current (Impulsive)	1.5A
Type Amplification	Digital Class D
Maximum Power	25+25W
Equalizer	3 band (High-Medium-Low)
Audio Input	2 analog stereo
Audio Output	1 analog stereo





*Www.vivaldigroup.it*



*info@vivaldigroup.it*



Vivaldi S.R.L.  
Sede amministrativa  
Via E. Fermi, 8 - Z. I. Est – 30020  
Noventa di Piave (VE) Italia  
tel. +39 0421 307825 fax +39 0421 307845  
[info@vivaldigroup.it](mailto:info@vivaldigroup.it) [www.vivaldigroup.it](http://www.vivaldigroup.it)