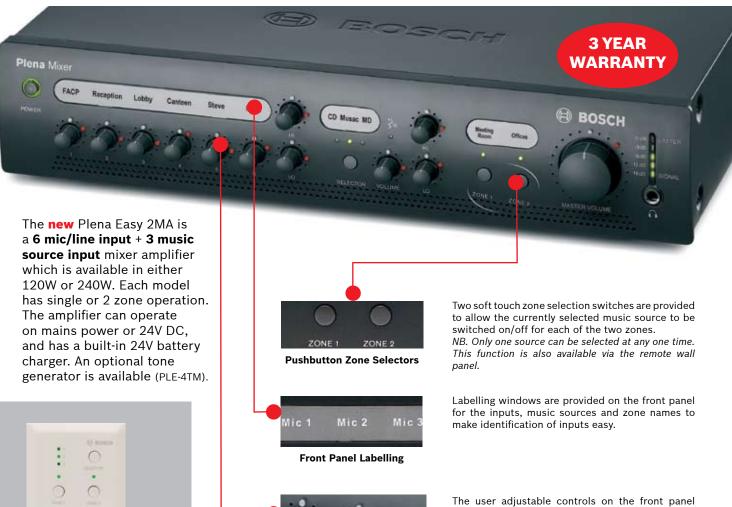
# Plena Easy Amplifiers





#### **Remote Wall Plate**

Up to four very stylish remote wall plates can be connected to the amplifier by a daisy chained CAT5 cable. The remote wall plates provide the ability to change the selected music source and which zone the music will be broadcast into, from a maximum of four remote locations.

Recommended Setting

The user adjustable controls on the front panel are provided with two indicator pins; a silver pin to indicate preferred setting and a red indicator to show a maximum setting.



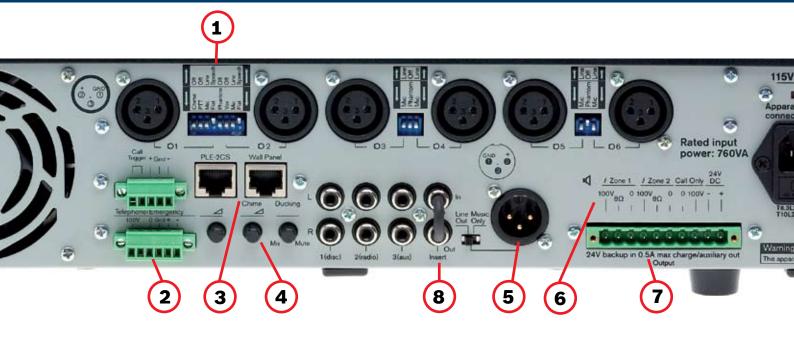
#### PLE-4TM Plena Tone Module Option

Used to generate signals for evacuation, alert, time and chime, this module provides an additional line input for a microphone pre-amplifier with PTT, without sacrificing an input of the mixer itself. The Plena Tone Module is compliant to Australian Standards AS2220.1.2 and ISO 8201.

#### **Key Features Include:**

- 100V line high prority emergency input Vox gated (overrides all other inputs)
- · Telephone high priority input Vox gated
- 6 selectable mic/line inputs
- Up to 6 single or 2 zone call stations with 7 selectable chimes on CAT5 (optional)
- 3 selectable music inputs
- 2 selectable zone outputs + additional "Paging Call only" output
- Remote music/zone selection on wall plate via CAT5
- Hardwire trigger priority on input 1
- · Vox priority trigger on input

- Selectable phantom power on each input
- Selectable speech filter on inputs 1 & 2
- Integral 2 note chime with gain control on input 1 & 2
- Priority ducking level control
- Loop through input / output
- Selectable line level output all mix/music only
- All settings accessible from back of unit
- 24V DC operation with integral intelligent battery charger
- Thermostatically controlled forced air cooling
- Sleek new European styling
- Recommended setting indicators
- Headphone monitor output on front panel



# 1. Input Features (1 - 6)

Input 1 through 6 have mic/line selectability. Input 1 & 2 have a selectable speech filter to limit low frequency content to systems with a high proportion of horn loudspeakers. Each input channel has selectable phantom power. There are 3 separate music inputs

## 2. Emergency Inputs

The amplifier has Emergency Inputs for telephone/emergency, which can be 100V or Line level.

#### 3. Call Stations

The amplifier has a built in two note chime which can be triggered via the priority  $\operatorname{Mic/Line}$  input 1 trigger contacts. If you choose to use the 2 zone call stations, then a further seven chime tones are available, which are stored and selected internally on the call station. A total of six call stations can be daisy chained using CAT5 cable over a maximum 200m distance.

## 4. Input Priorities & Muting / Ducking

The mixer amplifier provides four seperate levels of priority within the input structure: Emergency, Call Stations, Priority Mic/Line 1 & Priority Mic/Line 2. Emergency calls override all other inputs via a vox switch. The call stations override the microphone and music inputs but only in the selected zone(s). Mic/Line input 1 overrides all other mic/line and music inputs via an input trigger contact, and Mic/Line input 2 overrides all other mic/line and music inputs via a vox switch. The level of muting can be set by a ducking level control on the rear panel. With the exception of the emergency input, all of the other inputs can be allowed to mix together if required.

# 5. Pre-Amp Output

The amplifier has a dedicated line level output which can be used to feed additional slave mixer/power amplifiers. This output can be set to 'Music Only' via a rear panel switch.

## 6. Zone Outputs

The amplifier has two independent zone outputs which can driver either 100V line or 8 Ohm loads. In addition the unit has a "Call Only" 100V line output for areas wishing only to receive paging content.

## 7. Integral Battery Charger

As well as having the ability to operate from 24V DC in the event of a mains power failure, the amplifier has a built in intelligent battery charger. The charger charges the battery with a 0.5A constant current until the battery voltage reaches 27.4V DC. The charger then switches over to constant volt charging (also known as float charging). This means that a battery can be charged at the same rate it is discharging, and thus full battery capacity can be assured.

#### 8. Insert Connection

This unit also has an insert connection to allow external signal processing equipment to be included in the signal chain.

#### Architects' & Engineers' Specifications: Plena Easy Mixer Amplifier PLE-2MA120/240

The amplifier shall have 2 selectable zone outputs with a nominal output power of at least 120/240W total for the 2 zones. Each zone shall provide both 100V and 80hm connectivity. Zone selection switches shall be provided on the front panel for each zone. It shall operate on 115Vac or 230V ac selectable via rear panel switch with a front panel mounted mains on/off switch. In addition the unit shall operate from 24Vdc and provide an integrated intelligent battery charger.

The unit shall provide a high priority emergency input at 100V level with Vox gated priority. In addition there shall be a line level input at the same priority level for connecting certified telephony interfaces. Connections for these inputs shall be on screw terminals. The unit shall provide 6 inputs, selectable between mic/line input levels. Input 1 shall have a hardwired priority trigger and a selectable 2 note chime. Audio connections for Input 1 shall be via XLR or screw terminals. Input 2 shall have a Vox gated priority trigger. Inputs 2-6 audio connections shall be via XLR. Phantom power shall be selectable on/off for all inputs. Inputs 1 & 2 shall have a selectable speech filter. All inputs shall have a front panel mounted gain control with push pin recommended setting indicators.

The unit shall accept an additional 6 call station microphone inputs on a daisy chain CAT5 connection format. The call stations shall provide 7 separate selectable chime tones, independent level control and selectable speech filter.

The unit shall accept three music sources, selectable via a front panel switch or remotely via a wall panel on a daisy chain CAT5 connection format. The remote wall panel shall also provide music on/off selection to each zone. A total of four wall panels can be connected. The unit shall have a front panel mounted master music gain control.

The unit shall provide dedicated labelling spaces for inputs, music source and zone outputs. All user controls shall have integrated recommended setting indicators to show preferred and maximum settings. The unit shall provide independent tone controls for the microphone and music input groups. The unit shall have an LED Vu-meter on the front panel which will incorporate a headphone monitor output on a 6.3mm jack socket. The unit shall have a front panel mounted master gain control.