COMEDIA
Divine Intelligence

Connect the Comedia to a Dante/AES67 network to provide intelligent controls on a class D power amplifier to connect to your own speakers

- ↳ **Intelligent 10W class D audio amplifier for Dante/AES67 networks**
- ↳ **Speaker terminal output plus line level**
- ↳ **PoE powered so just a single cable connection**
- ↳ **Monitors 4 incoming Dante/AES67 channels**
- ↳ **Set priority override on one input to interrupt another**
- ↳ **Multi mode tri colour LED PPM meters**

www.glensound.com

Glensound
Keeps Working

COMEDIA

Comedia is the intelligence system and amplifier of the Divine loudspeaker, just without the actual speaker. This gives the user all of the intelligent network functions of the Divine, but with the option of connecting their own choice of speaker. It comes in an installer style design with wings for flush mounting.

The Comedia is PoE powered and a single network cable connection carries power and 4 audio channels from the Dante/AES67 network. These can be selected to the output as an individual channel, in pairs, or with all four mixed.

There are three selectable priority overrides. An input on any defined channel can act as a priority over the others. This means you could have programme audio playing on one channel, with a director on another channel able to make announcements over the top of the programme audio. The programme audio would return after the priority interrupt stopped.

There are preset EQ settings, LF cut, and gain boost available, all of which can be set using the configuration screen. The menu and certain settings can be locked for security.

Remote control across the network using GlenController is available. It is possible to upgrade individual or batch Comedia units across a network with GlenController.
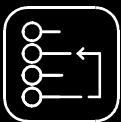
INNOVATIVE FEATURES

COMEDIA

Programmable Input Summing

Comedia features four network audio inputs. A simple to operate front panel select switch routes these audio inputs to the loudspeaker. These individual inputs can be mixed together to monitor multiple sources and this mixing function can be set in the menu system.

Lockable User Controls

In some environments you may not want anybody to be able to alter the volume, or input source or even any of the more advanced settings, therefore these can be all locked so that they cannot be 'fiddled with'.

Set User Input Priority

Priority is a feature that allows you to have one incoming audio circuit automatically duck or be replaced when another is present. This is perfect for situations whereby you're monitoring programme audio on one channel but want to listen to director's or producer's talkback on another but only when it's present. Any Priority input will bypass the volume pot level. If the user has turned the speaker down they will still hear priority announcements. This is a configurable function.

Control Over Network

Full control of the Comedia's parameters, including all settings and day to day controls such as volume and source selection is available on our Windows 10 application 'GlenController'. It is also possible to group multiple Comedia units and control their volume together and update their firmware across the network.

User Selectable EQ

For use in different environments and for different purposes a number of preset EQs are provided. Initially there are three (but this will be extended in the future). 'Natural' provides what we believe is the best all-round audio response, whereas 'Basic' makes the Comedia sound similar to old legacy units and 'Voice' has significant LF and HF shelving making the mid range voice presence unmissable.
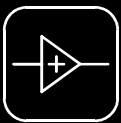
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LF Cut
A Low Frequency cut facility can be selected in the setup menu. This is useful if the Comedia is situated in a corner or hard against a wall or floor to help with resonating low frequencies.

Gain Boost
Because our engineers at Glensound are passionate about sound, the Comedia's internal circuitry is very carefully designed to provide perfect performance even when the incoming signal is at full scale (FS). As most programme signals are well below FS level our selectable gain boost provides greater output volume if needed.
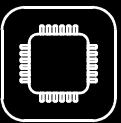
PoE Powered
Being a network audio device with an ethernet cable connected, it makes perfect sense not to have to connect a second DC or mains cable but to power the unit from standard Power Over Ethernet (PoE). Meaning one single cable carries all your audio and power making installation and setup quick, simple and hassle free.

Input Gain Trim
With 4 different incoming network audio circuits it's likely that in the real world their audio levels will be different: some may be too hot while others too cold. Therefore we've added a simple to use facility that allows the operator to easily add gain or loss to each of the incoming audio signals.

DSP Control
We first started programming Digital Signal Processors (DSPs) in the early 1990s and have used them extensively ever since. The device that we've selected for the Comedia provides plenty of internal headroom (very important) and can process the audio as quickly as it arrives, and the processing only adds a few samples of delay.

Top Panel PPM
The four front panel source LEDs can be set to operate as programme level meters in two different ways. They can be set to show the currently selected source level across all four LEDs and operate vertically like a traditional PPM. Each LED can also be set to show just its own source's level, which is possible because we're using RGB LEDs and can alter their colour, with blue indicating cold/ low level, through green and amber until red indicates high level.