

DA12 and DA16 Cinema Music Distribution Amplifiers

The DA12 (12 screen stereo channel output) and the DA16 (16 screen stereo output) are the same product. The DA12 does not contain the extra active parts, transformers, and connectors for 16 channels. Both products offer space saving, rack mount convenience. The products have balanced, low impedance outputs for each channel to allow each output pair to be run a great distance without fear of hum or noise pickup from outside interference. Because the outputs are transformer isolated, no ground loop can be formed between the various components in a multiplex sound installation.

Shielded audio cable is required to connect the stereo outputs of the DA12/16 to each stereo input of the cinema processors for the various auditoriums. Connect a shielded pair (2 wires) to each output of the product. One wire is connected to the Left channel output and the other to the Right channel output. The shield connects for the (COM) common terminal.

At the processor end - each wire goes to its respective channel and the shield is connected to the ground terminal of these unbalanced inputs.

There are 4 RCA pin jack inputs on the rear of the product. Two for the Left channel input and two for the Right channel input. Connect your sound source (CD player, satellite receiver, etc) to one of the sets of RCA sockets. The other set is for connecting multiple DA12/16 units together to receive the same stereo signal. It does not matter which pair of left channel sockets you use, or which of the right channel inputs. These pairs are electrically tied together.

After completing the installation you should adjust the input controls on the back of the product. The factory setting is for unity gain. That is; if your CD player is outputting a -10 dBm signal then all channels of the AD12/DA16 will output -10 dBm. The Left and Right gain controls may be set with a small screwdriver or tuning wand tool. Balance the Left and Right signals for good stereo.

Many installers find it easier to connect the cables to the Phoenix mating plugs and then plug them into the product, rather than trying to wire the connectors directly on the product.

There are 3 different UL listed power packs available for the DA12/DA16 for use in different countries. Hopefully you received the right one for your installation when the product was ordered.

On the rear of the chassis is a movable jumper that will enable you to ground the circuit to the chassis, or "lift" the circuit. Whichever setting offers the lowest hum and noise should be used.

The only operator control is the Power On/Off on the front panel. A bright LED indicator shows the unit is powered.



SMART Devices, Inc.
(800) 45-SMART

