

Alpha 112 Series Operating Manual



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Congratulations on your purchase of the new Alpha 112 Series Amplifier. The Alpha 112, with its advanced "C-MOS Technology" demonstrates Sunn's basic philosophy of leadership and professionalism.

The Alpha 112 Series Amplifier is the result of extensive research to develop a small, portable self-contained instrument amplifier. Features include Brite and Normal inputs, C-MOS Drive control, Bass, Mid and Treble controls, Headphone output, Accessory input and output, Level control and a special Mid-Frequency control that allows the user to move the effective range of the Mid control from upper bass to lower treble.

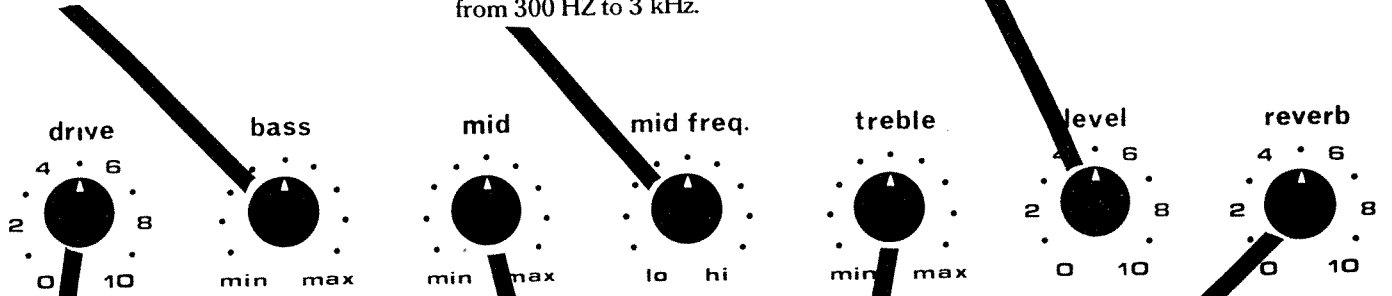
The Alpha 112 is offered in four different packages to meet the user's particular need. The Alpha 112 contains a Sunn 81-0162, 12" speaker enclosed in an infinite baffle cabinet. The Alpha 112R contains the same speaker as the Alpha 112 with reverb added. The Alpha 112P contains a Sunn 81-0166, 12" speaker enclosed in a ported cabinet. The Alpha 112PR contains the same speaker as the Alpha 112P with reverb added.

ALPHA 112 SERIES

Bass control enables the operator to vary the Bass equalizer response.

Mid Freq control enables the operator to vary mid control center frequency from 300 HZ to 3 kHz.

Level control adjusts the overall output from the preamp to the power amp.



Drive control changes the gain or amplifying ability of the preamp. By adjusting this control to a lower setting the user may obtain a clean sounding program. Adjusting to a higher setting accents the C-MOS overdrive characteristics. With increasing amount of overdrive, the sustain is emphasized by the dynamic C-MOS compression.

Treble control enables the operator to vary the treble equalizer response.

Mid control enables the operator to vary the mid equalizer response.

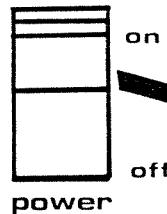
Reverb control adds reverberation effect which is independent of the tone controls (optional).

brite normal



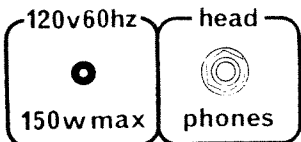
Normal—for use when no additional brilliance is required.

Brite—if additional brilliance is required, the Brite input will add 10db boost starting at 6 kHz.



POWER
This control switches the unit's AC Power on and off.

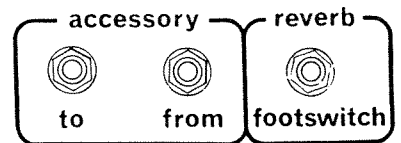
ACCESSORY PATCHING



serial

CAUTION: TO PREVENT ELECTRICAL SHOCK DO NOT OPEN. no user serviceable parts inside. refer servicing to authorized SUNN service center.

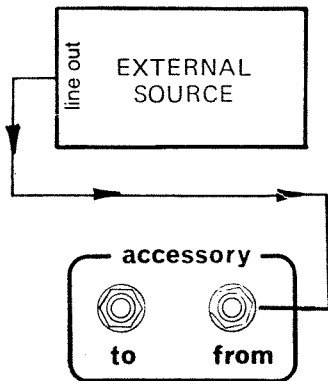
NOTICE before warranty service consumer must complete & mail the warranty application. affix validation sticker here.



made in U.S.A. by
Sunn Musical Equipment Co.
a hartzell corporation company

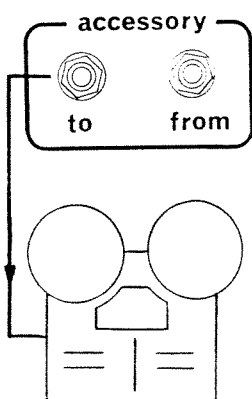
Some of the more common patching situations of the Alpha 112 Series are illustrated below.

AS A POWER AMPLIFIER



Occasionally, you may find it necessary to use your Alpha 112 as a power amp. Using the patch guide only that program from your external unit will be amplified to the speaker.

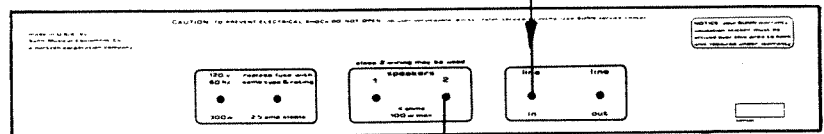
RECORDING



The accessory "to" output provides ample level for most recorders and decks.

ADDITIONAL POWER

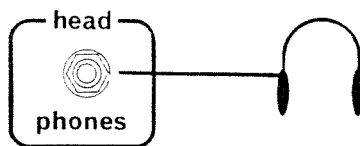
BETA POWER+



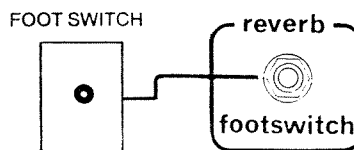
To internal speakers

The accessory "to" output is utilized for driving additional power amplifiers from your Alpha System. Calibrated for the Beta Power + or Alpha Slave, but still compatible with other slave amplifiers.

ACCESSORIES

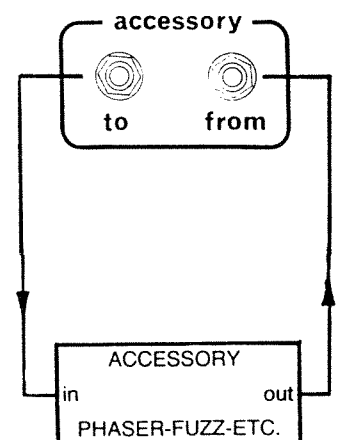


The headphone jack is made to accept most all stereo or mono headphones. When headphones are used the speaker will be disabled.



Remote footswitch allows operator to turn on or off the reverb in the system, from any desired location.

EFFECTS PATCHING



The accessory "to" output provides easy patching of external accessories such as echo, phasers, and etc.

Specifications

ALPHA 112, 112R, 112P, 112PR

Preamp input (normal) 27K ohms
 Preamp input (brite) 47K ohms
 Accessory to 150 ohms
 (Preamp out)
 Accessory from 10K ohms
 (Power amp in)
 Headphone out 330 ohms stereo
 165 ohms mono

POWER OUTPUT

..... 50 watts rms
 @8 ohm load

SYSTEM GAIN

..... 124 db

WARRANTY

..... 1 year limited

Block Diagram

