

Nigel B.

45 WATT PLUS SERIES MONO/STEREO AMPLIFIER

Part # NB-2052PL Requires NB-PS75



INSTRUCTIONS

45 WATTS RMS INTO 4 OHMS SUPERIOR SOUND OUTPUT
IN EITHER MONO OR STEREO MODES



POWER INDICATOR

ADC ENABLED

THRESHOLD ADJUSTMENT (FACTORY SET)

The Threshold Adjustment is factory set, and should not need adjustment, unless the Threshold Indicator does not light up. With Sound playing, turn the Pot slightly until the LED lights up

(See Below)



**AUTOMATIC DETECTION CIRCUIT
TURNS THE AMPLIFIER ON AND OFF
AUTOMATICALLY**

TWO WAY RS 232 PORT FOR CONTROL FROM ANY AMX®, OR CRESTRON® OR AURORA WACI® CONTROLLERS OR OTHER DEVICES

ACCEPTS BALANCED OR UNBALANCED INPUTS FOR STEREO OR MONO OPERATION



**AUTOMATIC FAN CONTROL
FAN TURNS OFF AUTOMATICALLY
WHEN NO AUDIO IS PRESENT**

SUPER FAST - ADC - AUTOMATIC DETECTION CIRCUIT-

A wonder in **ENERGY EFFICIENCY** this **COOL RUNNING AUTOMATIC** Amplifier tunes itself on in less than **2 milliseconds of detecting an Audio Signal**. When no Audio signal is detected it will automatically turn itself off after about 30seconds, unless the Audio is restored before the cutoff period, at which time the unit will repeat the Active Mode until finally no signal is detected.



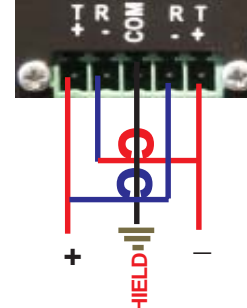
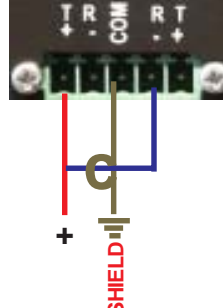
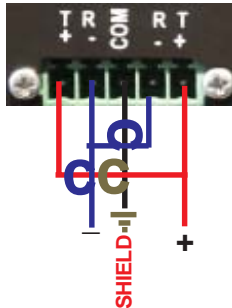
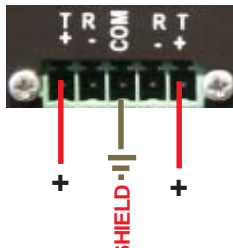
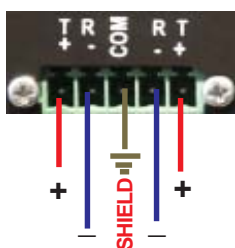
BALANCED STEREO

UNBALANCED STEREO

BALANCED DUAL MONO

UNBALANCED BRIDGED MONO

BALANCED BRIDGED MONO



PHOENIX TYPE TERMINALS FOR FAST CONNECTIONS

AUTOMATIC INTERNAL CONFIGURATION OF THE LINE INPUT

Internal circuitry enables the user to configure the Amplifier to be used in either Balanced or Unbalanced Modes depending on the connections used. Shown above are the different Line In Connections that allow the Amplifier to accept either Balanced or Unbalanced Stereo, Balanced Dual Mono or Balanced Bridged Mono Inputs, depending on the user's requirements.

RS 232 PORT FOR TOTAL CONTROL

The Amplifier provides Two Way Communication supporting almost any Control Device including AMX®, Crestron®, Aurora Waci®, Stardraw® Control Devices. Currently the Amplifier can receive and confirm the following Commands: Volume - Left Channel, Right Channel, Up and Down, Mute and Speaker Verification. As On and Off are an Automatic Functions of the Amplifier there is no need to provide these from the RS 232 Port.



AMX®, Crestron®, Aurora®, and StarDraw® Certified Partners

Please turn over for Mounting Options and Specs



THE MK 2 LIMPET
24/7 Set & Forget
Protection of all your Equipment



POLE MOUNT PLATFORM



Up to four 1/4 Rack Nigel B Design
Amplifiers can be fitted
taking up only 1 Rackspace

No Modification to the Projector Pole is required
for the Cables to run inside

NEED TO HIDE THE EQUIPMENT IN THE PLENUM

Hidden from view our new Plenum Rated Equipment Box allows the Amplifier, Power Supply, AC Receptacle and all the Cables to fit inside. All Cable runs are routed internally, so that the entire unit meets UL 2034 and all Electrical Codes for **Plenum Rating**. **Because the entire assembly is hidden, the chance of theft is eliminated.**



Our Plenum Rated Equipment Box contains a 1 gang Receptacle for powering both the Amplifier and any other equipment concealed inside

NEED THE PROJECTOR CLOSE TO THE CEILING WITH THE AMPLIFIER & EQUIPMENT HIDDEN

Using the Plenum Equipment Box has the benefit of being able to mount the Projector tight against the Ceiling Tiles.

AMPLIFIER SPECIFICATIONS

45 watts Stereo into 4 Ohms
(22.5 watts per Channel)
75 watts Peak Music Power
Frequency Response: 15 Hz - 22 kHz
Signal to Noise Ratio: -65 dB
Total Harmonic Distortion: .003 dB
Dynamic Range: 115 dB
Overload Protection: Built In
All Screw Connectors

AUTO POWER SAVING MODE

Power is reduced to 250 milliamps in
Stand By Mode

REQUIRED OPTION

Power Supply UL/CSA Listed
110V - 12V 4.5 Amps AC

USES STANDARD SERIAL CABLE (NOT SUPPLIED)

RS 232 PORT SPECIFICATIONS

The RS 232 Port is a **Two Way Device** that receives its instructions from a variety of Controllers such as AMX®, Crestron®, Aurora Waci® and Software such as Stardraw®. Once commands are received by the Amplifier, confirmation is sent back to the Control Device.

CUSTOM APPLICATIONS

The Protocol can be downloaded from our Web Site free of charge or you can contact our Program Engineer for specific Control Functions that you may want to be programmed.