



45 WATT PLUS SERIES MONO OR STEREO AMPLIFIER

Part # NB-2052PL Requires NB-PS75 AC Power Supply

All our Amplifiers use **ADC** (An Automatic Detection Circuit) for Automatic On Off.
(See Below)

This allows them to meet an Energy Star Rating for Energy Efficiency



TWO WAY RS 232 PORT
FOR CONTROL FROM ANY AMX®,
CRESTRON® AURORA WACI® or
STAR DRAW® CONTROL CONTROL
OR OTHER SOFTWARE DEVICES

Or Download the Protocol from our
Web Site for Custom Applications
ACCEPTS BALANCED OR
UNBALANCED INPUTS FOR
STEREO OR MONO
OPERATION



**45 WATTS RMS INTO 4 OHMS OR 8 OHMS SINGLE OR MULTIPLE
SPEAKER INSTALLIONS FOR SUPERIOR SOUND OUTPUT
IN EITHER MONO OR STEREO MODES**

SUPER FAST - ADC- AUTOMATIC DETECTION CIRCUIT- ELIMINATES SOUND CLIPPING & SAVE ENERGY

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

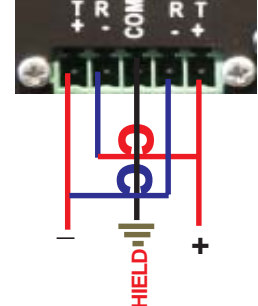
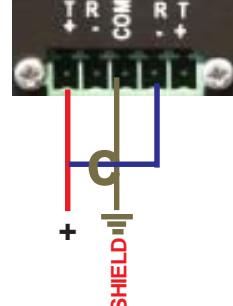
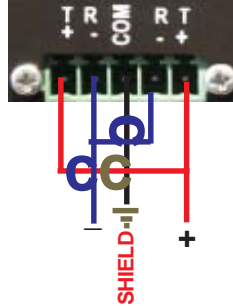
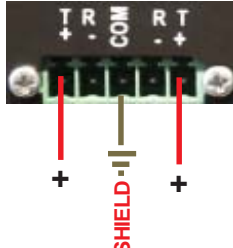
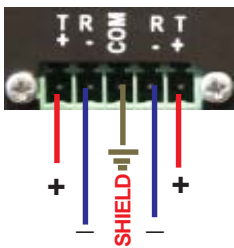
BALANCED STEREO

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® or Aurora Waci® Control Devices. The Amplifier can receive and confirm the following Commands:
Amplifier Volume - Left Channel, Right Channel (For Balance) Up and Down, Mute and Speaker Connection Confirmation. As On and Off are an Automatic Functions of the Amplifier there is no need to provide these from the RS 232 Port.

In addition, Software Controllers such as Stardraw etc that use Global Cache allow these functions to be made from any Computer.

We Are AMX®, Crestron®, Aurora® and Stardraw Control Certified Partners

Please turn over for Mounting Options and Specs



**THE MARK 2 LIMPET
24/7 Protection
for all your Equipment**

The Pole Mount Platform attaches
to a Projector's 1.5" dia Pole



Power Cable Can be routed
either Down the inside of the Pole
Or through the Optional Conduit
POLE MOUNT PLATFORM



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



No Modification to the Projector's Pole is required

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



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

USES STANDARD SERIAL CABLE (NOT SUPPLIED)

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, in conjunction with Global Cache. Once commands are received by the Amplifier, confirmation is sent back to the Control Device.

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

CUSTOM APPLICATIONS (EXTRA COST)

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.

Part #	Description	List Price
NB-2052PL	Plus Amplifier with RS 232 Interface	\$399.95
NB-PS75	Power Supply 120 v -12v AC 4.5 amps	\$ 49.95
NB-PEBPM	Plenum Equipment Box (Pole Mount Version)	\$ 299.95
NB-PLWB	Plenum Equipment Box (Hanging Version)	\$ 299.95
NB-PLHK	Hanging Kit for Hanging Version	\$ 79.95
NB-PMP	Pole Mount Platform	\$ 179.95
NB-2LSAS	Mk 2 Limpet Electronic Alarm System	\$169.95
NB-1SHE	1U Rack Shelf Frame	\$119.95