

**Nigel B.**  
DESIGN

# 45 WATTS **PLUS SERIES** AUTOMATIC AMPLIFIER

45 WATTS OUTPUT IN EITHER MONO OR STEREO MODES  
(See Below)

ACCEPTS BALANCED OR UNBALANCED  
INPUTS FOR STEREO OR MONO OPERATION

**A SIMPLE ONE BOX SOLUTION**

**THE AMPLIFIER CAN BE INTEGRATED INTO ANY  
SCREEN CONTROLLED SYSTEM EVEN A PDA**



Touch Screen, Computer Screen or PDA



**CUSTOM  
APPLICATIONS**

Protocol available upon request

AUTOMATIC DETECTION CIRCUIT

**ADC**

**TURNS ITSELF ON AND OFF AUTOMATICALLY  
TO CONSERVE ENERGY**



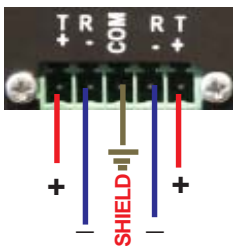
## THE PLUS SERIES - SUPERIOR PERFORMANCE AMPLIFIERS

This Amplifier can claim a number of firsts:

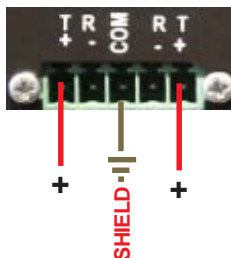
1. New and improved Advanced Design Amplifier Circuit guarantees Superior Sound Quality.
2. Automatic On / Off Feature saves Energy enabling the unit to display the Energy Star Logo.
3. Compact size with everything "Built In" to provide a "one Box" solution for easier Integration into almost any small space.
4. User Selection of different Line In Configurations.
5. Many RS 232 Control Options for Integration of the Amplifier into any Control System.

## AUTOMATIC INTERNAL CONFIGURATION OF THE LINE INPUT

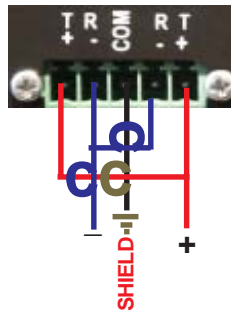
BALANCED STEREO



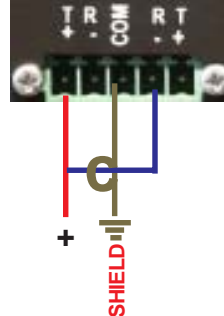
UNBALANCED STEREO



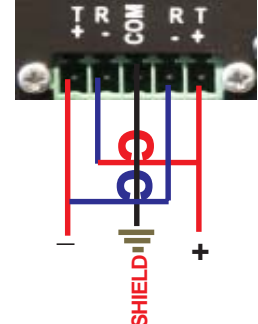
BALANCED DUAL MONO



UNBALANCED BRIDGED MONO



BALANCED BRIDGED MONO



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.

## SUPER FAST - ADC - AUTOMATIC DETECTION CIRCUIT- ELIMINATES CLIPPING THE SOUND

A wonder in **ENERGY EFFICIENCY**, this **COOL RUNNING AUTOMATIC** Amplifier turns itself on in less than **2 milliseconds** of detecting an **Audio Signal** and will remain on until no Audio Signal is detected, at which time it will automatically **turn itself off** after about **2 minutes**. The Amplifier will restore Audio **at any time** and will repeat the Active mode until finally the unit does not detect any further signal.

## FASTER INSTALLATION TIME USING PHOENIX TYPE CONNECTIONS

Attention has been paid to the installation process, using "fast on" Phoenix type Connectors.

**Please turn over for Mounting Options, Specs & List Prices**

## EASY INSTALLATION OPTIONS FOR MIX & MATCH

All our Mounting Options shown below allow them be be used for all Nigel B Amplifiers, Extron® 1/8th and 1/4 Rack Versa Tool® and other Modules.



The Projector Pole Mounting Bracket attaches the Amplifier on to a Projector's Pole or any Flat Surface



Easily Mount your Crestron® QM-RMC Room Media Controller



Using the Projector Pole Mount, no more than 2" of height is needed between the Projector and the Ceiling Tiles



Up to four Amplifiers can be installed requiring only 1 Rack Space in any 19" Equipment Rack



19" RackFrame Shelf holds both Nigel B Modules and all 1/8th & 1/4 Rack Extron® Versa Tools®

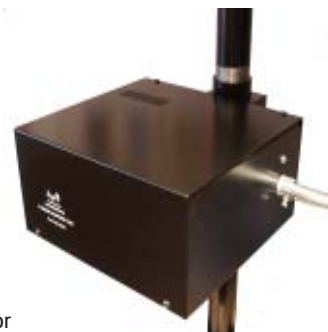
## NEED TO HIDE THE EQUIPMENT IN THE PLENUM OR CEILING SPACE

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 theft is eliminated.**



Lid Removed to show Interior



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

### 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

### RS 232 PORT SPECIFICATIONS

For Custom Control of the Amplifier, the Protocol is freely available. Simply e-mail your request using the "Contact us" Button on the Front of our Web site. The Programmed Micro-processor controls all commands from any Computer Screen or by using Web Servers such as Crestron's QM-RMC or AMX's NI 700 & 900 Units.

Part #	Description	List Price
NB-2052PL	Plus Series Automatic Amplifier 45 watts RMS with RS 232 Port	\$ 499.95
NB-PS75	Power Supply 117v - 12v AC 4.5 Amps for above	\$ 49.95
NB-PEBM	Plenum Equipment Box	\$ 299.95
NB-UPMW	Projector Pole/Wall Mount Bracket	\$ 69.95
NB-1SHE	1U Rack Frame Shelf	\$ 119.95

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