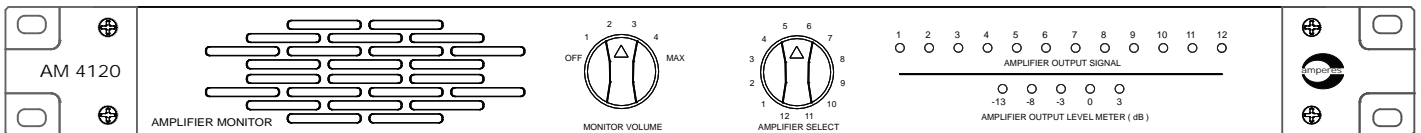




# INSTRUCTION MANUAL

## AM4120 Amplifier Monitor Panel



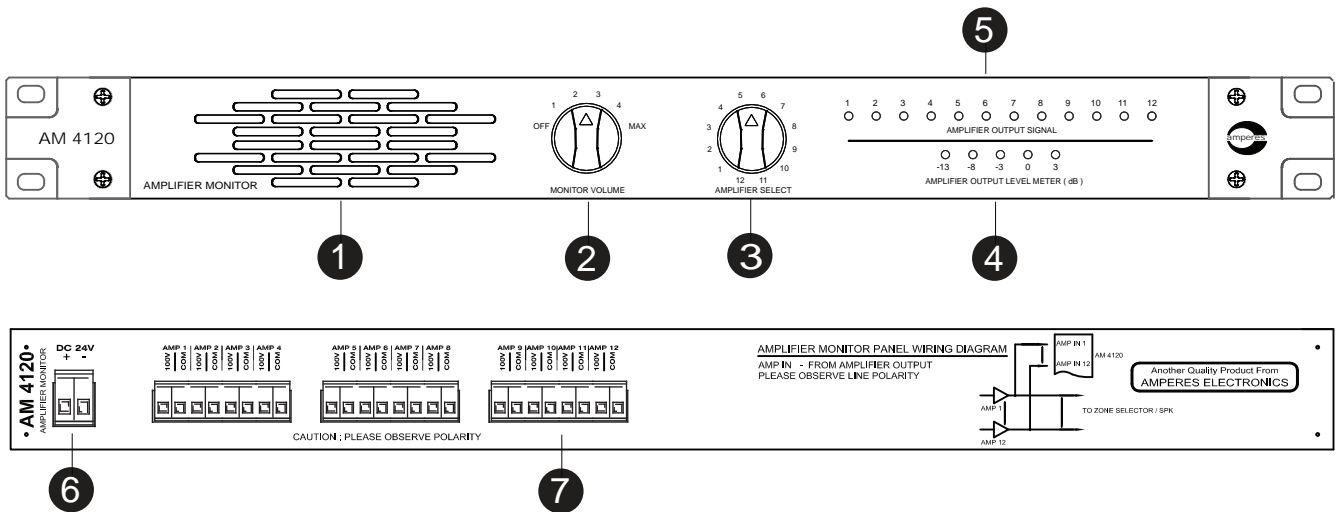
*Thank you for choosing another quality product from Amperes Electronics.*

AM4120 monitor panel does not only provide audio monitoring of your pa power amplifiers of up to 12 units connected to it with its high fidelity 1 watt speaker, but it offers 5 level LED monitoring as well as continuous audio presence signal indicators. The LED level meter proves to be useful in the amplifier output calibration of your installation.

With AM4120, we offer a product of easy installation, with the affordable price of a quality equipment. Though it is rather simple in the installation works, a brief read through the manual is recommended.



# Parts Identification



## 1. SPEAKER

Audio monitoring of selected amplifier output is monitored from this 1 watt speaker

## 2. MONITOR VOLUME KNOB

The loudness of speaker volume is controlled from this 5 steps attenuator.

## 3. AMPLIFIER SELECT

This knob is used to select the amplifier intended to be monitored.

## 4. LED BAR METER

The output level of the amplifier selected is monitored from the 5 segment LED bar meter. The meter indicates the actual output level of amplifier regardless of the position of the monitor volume. The reference of the reading shall be 0dB equivalent to 100V line output.

## 5. AMPLIFIER OUTPUT SIGNAL LED

These LED shall provide signal presence of all the amplifiers connected to the monitoring panel.

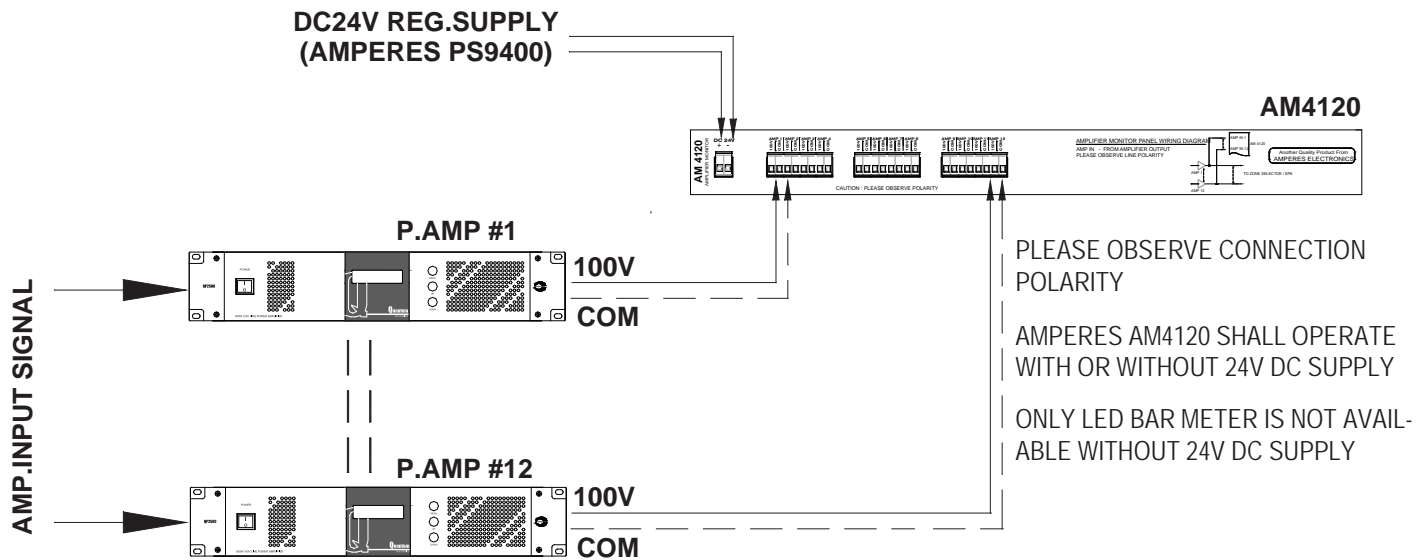
## 6. DC SUPPLY CONNECTOR

AM4120 shall require 24V DC supply for its operation. Kindly use recommended power supply (Amperes PS9400).

## 7. AMPLIFIER INPUT CONNECTOR

Polarity of amplifiers to be connected to AM4120 shall be observed as wrong connection shall cause your power pack faulty.

# Connection Schematic



# Technical Specifications

## AM4120

Operating voltage	24V DC via PS9400 PSU
Power consumption	50 mW
Amplifier inputs	12 : 70 / 100V line
Monitoring mode	Audio : 1W speaker with 5 presets Visual : 5 segment LED level meter LED for all channels
Dimensions (WxHxD)	482 x 44 x 180 mm
Weight	2.1 kg

### NOTE :

Amperes Electronics Sdn Bhd has the policy of improving or reviewing its products in design, performance as well as quality from time to time. It is therefore, Amperes Electronics has the right to change the above specifications without prior notice. The specification change shall cover the physical appearance, features as well as components used. However, amperes Electronics shall maintain at all times that the products manufactured are of highest quality.

# Warranty Conditions

Only Amperes Electronics Service Centres are allowed to make warranty repairs : a list of Amperes Electronics Service Centres may be asked for by the purchaser or send directly to Amperes Electronics Sdn Bhd at 70 Jalan Industri PBP 3, Tmn Perindustrian Pusat Bandar Puchong, 47100, Puchong, Selangor, Malaysia or its authorized master distributor, TNT Links Sdn Bhd / MyPA Systems Sdn Bhd. This warranty is not valid if repairs are performed by unauthorized personnel or service centres.

This warranty covers only repairs and replacement of defective parts ; cost and risks of transportation as well as removal and installation of the product from the main system are for the account of the purchaser. This warranty shall not extend to the replacement of the unit.

This warranty does not cover damages caused by misuse, neglect, accident of the product as well as using the product with power supply voltage other than shown on the product, or any other power supply source / adaptor not recommended by the manufacturer.

This warranty does not cover damages caused by fire, earthquakes, floods, lightning and every cause not directly related to the unit.

This warranty does not include any indemnity in favor of the purchaser or the dealer for the period out of use of the unit; moreover the warranty does not cover any damages which may be caused to people and things when using the product.

This warranty certificate is valid only for the described product, and is not valid if modifications are made on this certificate or on the identification label applied on the product.

This warranty covers all the material and manufacturing defects and is valid for a period of 12 months from the date of purchase or for a longer period in countries where this is stated by a national law. In this case, the extension is valid only in the country where the product is purchased.

Amperes Electronics Sdn Bhd is not obliged to modify previously manufactured products under warranty if the design changes or improvements are made.

# Disclaimer

Information contained in this manual is subject to change without prior notice and does not represent a commitment on the part of the vendor. AMPERES ELECTRONICS SDN BHD shall not be liable for any loss or damages whatsoever arising from the use of information or any error contained in this manual.

It is recommended that all services and repairs on this product be carried out by AMPERES ELECTRONICS SDN BHD or its authorized service agents.

AMPERES series must only be used for the purpose they were intended by the manufacturer and in conjunction with this operating manual.

AMPERES ELECTRONICS SDN BHD cannot accept any liability whatsoever for any loss or damages caused by service, maintenance or repair by unauthorized personnel, or by use other than that intended by the manufacturer.



ISO 9001: 2008  
Design & Manufacture of Public Address Equipment and Systems  
Certificate No. 16895 / A / 0001 / UK / En



AMPERES ELECTRONICS SDN BHD  
MADE IN MALAYSIA  
Published : March 2015