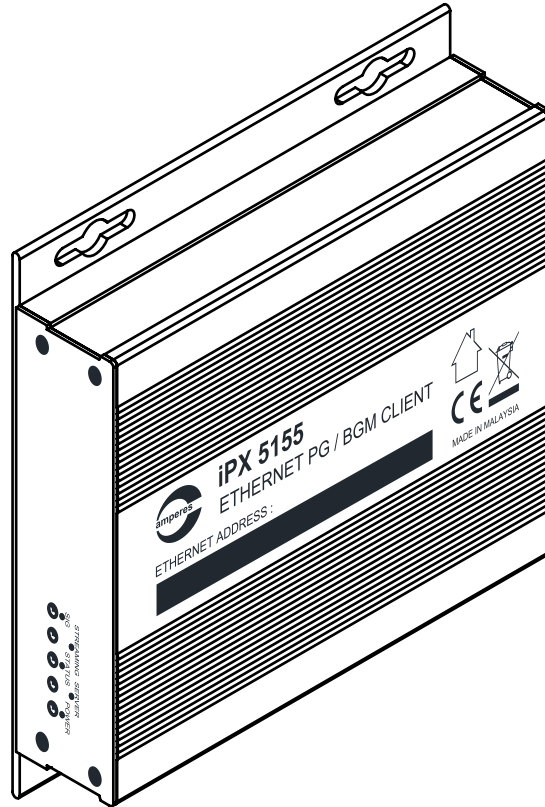




INSTRUCTION MANUAL

iPX5155

Ethernet BGM / Paging Client
(Audio Extractor)



improved version
ultra low latency

Thank you for choosing another quality product from Amperes Electronics.

iPX5155 is now improved with slimmer profile, improved noise reduction and with ultra low latency. It is a combination of Paging and Music Clients in a box, reducing the equipment count for audio transmission in a LAN environment. It is suitable for distributed paging configuration, such as placement of amplifiers in risers in multiple blocks or systems.

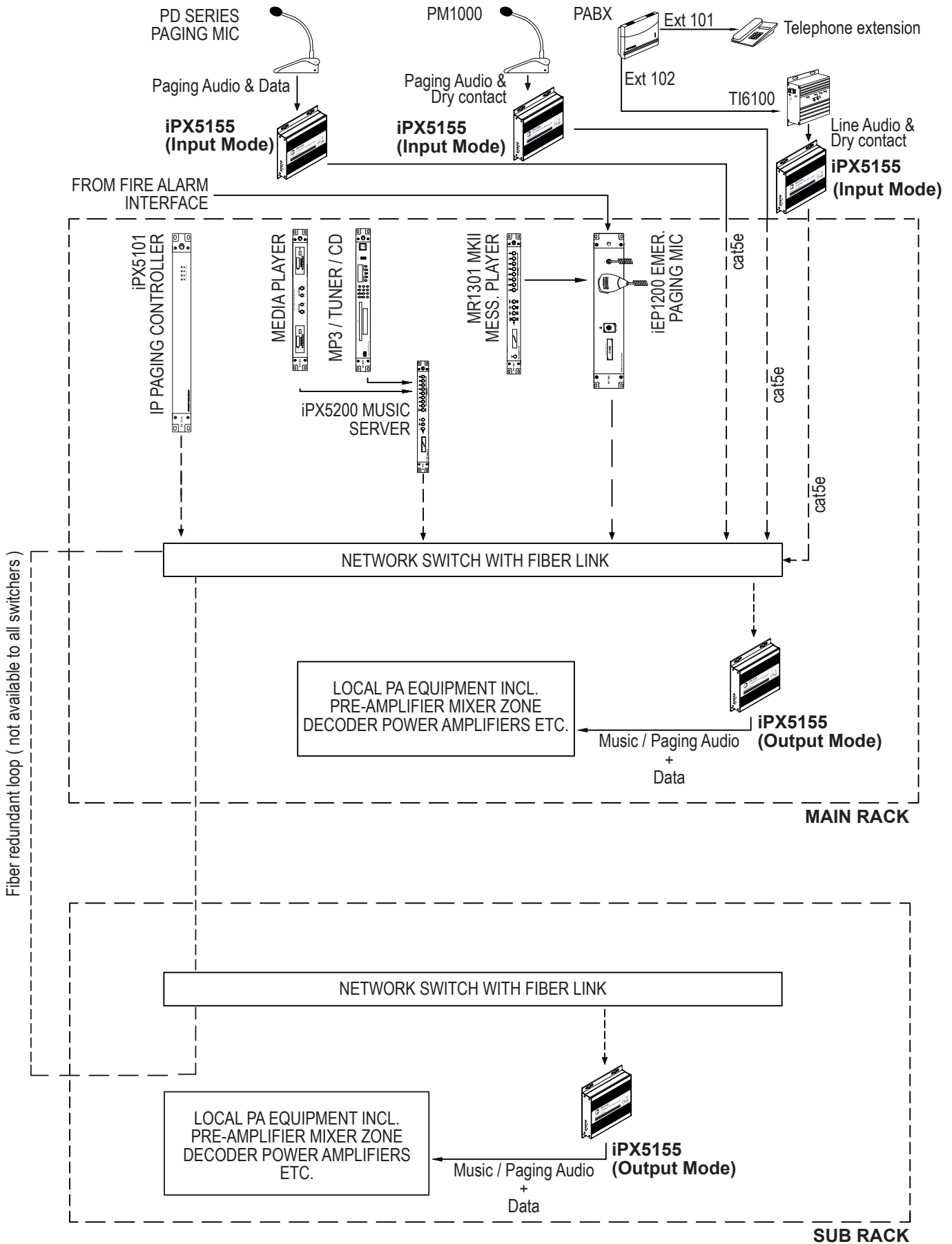
How it works: iPX5155 receives normal BGM broadcast from a central system, such as from iPX5200 (audio music server) or PMX software and delivers balanced audio output to amplifiers. Upon Paging broadcast intended for the particular address of iPX5155, the BGM shall be muted and resumes when Paging ends. UART (RS485) is available for controls of zone selection if required.

With iPX5000 series of LAN paging equipment, new setup for large and decentralized paging system is now made easier and affordable. Upgrading to IP from conventional analogue PA system would be made achievable without having to change the whole system.



applicable for iPX5155 FW 2.40 and above
Ver 5 / 2023

Connecting to iPX5155



Note:

In a system, only one iPX5101 is required, no matter the size of the system or the number of clients installed.

Device Setup

iPX5155 shall require setup via web browser. Kindly follow instructions listed below. The default IP address of each module is **192.168.0.100**. Default Username and Password are both “**admin**”.

Device Info

The first page appearing upon login shall be Device Info. Information such as firmware version, networking addresses and paging server status are shown. No configuration is needed in this page.

Network Configuration

Edit iPX5155 IP address, Subnet address and Gateway address here to suit your networking environment. It is recommended to leave the Data port number unchanged. Click the “**SAVE**” button to save your changes.

Device Info

Device Information

Firmware Version	2.29
Serial Number	00000000000000000000
Build Date	02 Nov 2020
Device Name	Paging / Music Client

Network Information

MAC Address	114:106:118:28:6:29
IP Address	192.168.0.155
Subnet Mask	255.255.255.0
Gateway Address	192.168.0.1
Data Port	3000

Paging Server Status

Server Name	Blk A Paging Server
Server IP	192.168.0.101
Server Version	2.29

Music Server Status

Server Name	Blk A Music Server
Server IP	192.168.0.120
Server Version	2.07

Network Configuration

IPv4 Configuration

IP Address	192.168.0.155
Subnet Address	255.255.255.0
Gateway Address	192.168.0.1
Data Port	3000

SAVE

Device Setup

Remote Trigger

Remote Trigger settings only available when iPX5155 operates in Input mode.

Enabled: Enable this setting when a PM1000 / TI6100 is used as the paging source to activate iPX5155 via its Remote Trigger port.

No Priority: There are 10 paging priority levels. Enabling this setting shall make a paging device that is connected to this iPX5155 operate in the lowest priority level. Disabling this setting shall allow us to configure level 1 to 10. The lower the number the higher the priority level.

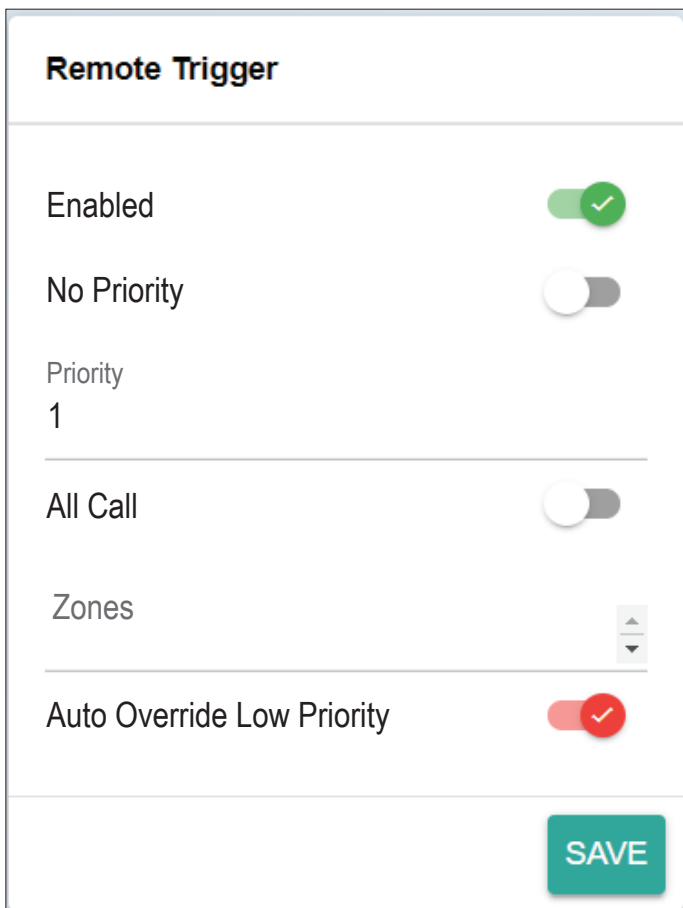
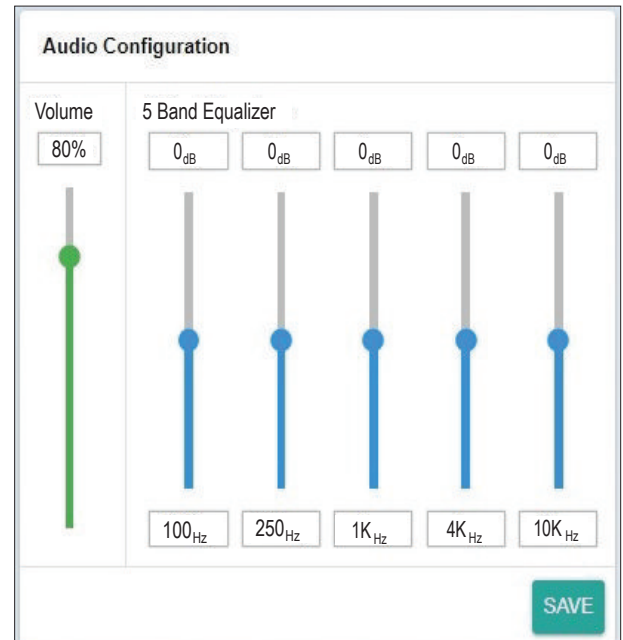
All Call: Enable this setting to page to all zones when the iPX5155 Remote Trigger port gets activated. Disabling this setting shall allow us to configure a zone range.

Auto Override Low Priority (AOLP): Enabling this setting shall allow a paging mic that is connected to this iPX5155 Remote Trigger port to override other lower / same * priority devices.

* To allow same priority override, user needs to enable Same Priority Override setting in iPX5101.

Audio Configuration

To adjust volume and EQ of paging audio. These settings are only available when iPX5155 operates in Output mode.

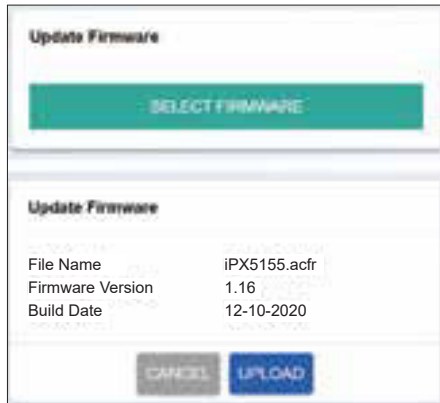


Update Firmware

Update Firmware: System firmware shall be updated once in a while when new features are available or to fix bugs. As each module is basically an iPX5155, they will use iPX5155 firmware and each module is to be updated individually. There are 2 methods of doing;

Update firmware in Normal Operation Mode

1. Open a browser and type in the iPX5155 IP Address.
2. Under “System” page look for “Update Firmware” section as shown in below.



Click “ SELECT FIRMWARE” and choose a binary file with “.acfr” extension. Click “UPLOAD”.

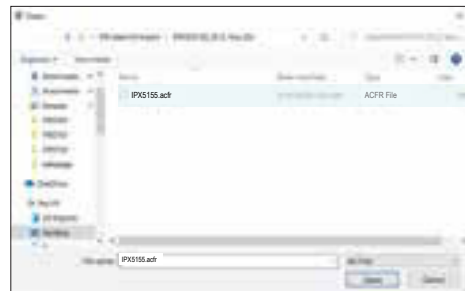
Once the update is completed, the browser should enter the login page.

Update firmware in Bootloader Mode

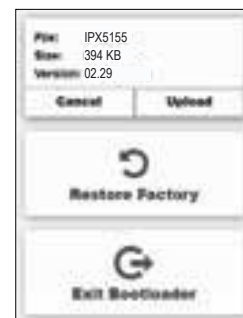
If the iPX5155 “hangs”, it is required to perform system reset by following the steps below :

1. Press & hold the reset button until “ STREAMING ” LED is turned ON. This will set the IP address to default address 192.168.0.100.
2. Open a browser and enter the IP address 192.168.0.100. A web page as shown below shall appear.
3. Select “ Upload Firmware ”, choose a binary file with “.acfr ” extension and click “UPLOAD”
4. Once the uploading is completed, the browser shall enter the login page.

Click the Upload Firmware button to find the updated firmware file.



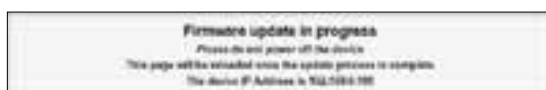
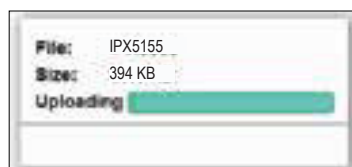
Find the updated firmware file.



Ready to upload, click Upload button to upload the firmware.



Updating progress



After finish updating the firmware, the browser will automatically restart.

Warranty Conditions

Only Amperes Electronics Service Centres are allowed to make warranty repairs : a list of Amperes Electronics authorized service centres may be asked by the purchaser or send directly to Amperes Electronics Sdn Bhd at 70 Jalan Industri PBP3, Tmn Perindustrian Pusat Bandar Puchong, 47100, Puchong, Selangor. 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 risk 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, negligence in application as well as using the product with power supply voltage other than shown on the product, or any other power supply source / adapter 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 cause to the people and things during the use of the product.

This warranty certificate is valid only for the described product, and is not valid if modifications are made on this certificate or identification labels applied to the unit or any other modifications to the physical unit other than its intended usage.

This warranty covers all the material and manufacturing defects and is valid for a period of 36 months from the date of purchase or for a specified 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.

The purchaser is deemed to agree to the above warranty conditions once the product packaging is unpacked., Otherwise the product shall be returned to the seller in proper original condition.

Disclaimer

Information contained in this manual is subjected 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 of this product to be carried out by Amperes Electronics or its authorized service agents.

Amperes products must only be used for the purpose they were intended by the manufacturer and in conjunction with this operation 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: 2015
Design & Manufacture of Public Address Equipment and Systems
Certificate No. 16895 / A / 0001 / UK / En



AMPERES ELECTRONICS SDN BHD
MADE IN MALAYSIA
Published : JUL 2023