

User Manual



MP-PA42 -GEN2

Class-D 60W Power Amplifier



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Version: MP-PA42 -GEN2_2026V1.0

Preface

Read this user manual carefully before using the product. Pictures shown in this manual are for reference only. Different models and specifications are subject to real product.

This manual is only for operation instruction, please contact the local distributor for maintenance assistance. The functions described in this version were updated till July, 2026. In the constant effort to improve the product, we reserve the right to make functions or parameters changes without notice or obligation. Please refer to the dealers for the latest details.

FCC Statement

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. It has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a commercial installation.

Operation of this equipment in a residential area is likely to cause interference, in which case the user at their own expense will be required to take whatever measures may be necessary to correct the interference.

Any changes or modifications not expressly approved by the manufacture would void the user's authority to operate the equipment.



Safety Precautions

- To ensure the best from the product, please read all instructions carefully before using the device. Save this manual for further reference.
- Unpack the equipment carefully and save the original box and packing material for possible future shipment.
- Follow basic safety precautions to reduce the risk of fire, electrical shock and injury to persons.
- Do not dismantle the housing or modify the module. It may result in electrical shock or burn.
- Using supplies or parts not meeting the products' specifications may cause damage, deterioration or malfunction.
- Refer all servicing to qualified service personnel.
- To prevent fire or shock hazard, do not expose the unit to rain, moisture or install this product near water.
- Do not put any heavy items on the extension cable in case of extrusion.
- Do not remove the housing of the device as opening or removing housing may expose you to dangerous voltage or other hazards.
- Install the device in a place with fine ventilation to avoid damage caused by overheat.
- Keep the module away from liquids.
- Spillage into the housing may result in fire, electrical shock, or equipment damage. If an object or liquid falls or spills on to the housing, unplug the module immediately.
- Do not twist or pull by force ends of the optical cable. It can cause malfunction.
- Do not use liquid or aerosol cleaners to clean this unit. Always unplug the power to the device before cleaning.
- Unplug the power cord when left unused for a long period of time.
- Information on disposal for scrapped devices: do not burn or mix with general household waste, please treat them as normal electrical wastes.

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1. Product Introduction

The MP-PA42 -GEN2 is a Class-D amplifier that supports both single-source and multi-source mixed audio inputs. It offers four selectable input sources: MIC, ARC, LINE, and RCA. For outputs, users can choose between 4/8 Ω fixed-impedance speaker outputs or a loop-through output, delivering up to stereo 2 $\times$ 30W or bridged 1 $\times$ 60W of power. The amplifier provides versatile control options, including IR remote, front-panel buttons, TCP/IP, RS232, and TRG trigger. It also features built-in EQ adjustment to compensate for device variations and adapt to different application requirements.

1.1 Features

- 4 inputs: MIC (support 48V), ARC, LINE and RCA.
- 2 outputs: 4/8 Ω fixed-impedance output and line out.
- Output power up to stereo 2 $\times$ 30W or bridged 1 $\times$ 60W.
- Supports mixing output and EQ adjustment.
- Controllable via: buttons, RS232, Relay, IR and TCP/IP (Web-GUI).
- Standard 1U rackmount design.

1.2 Package List

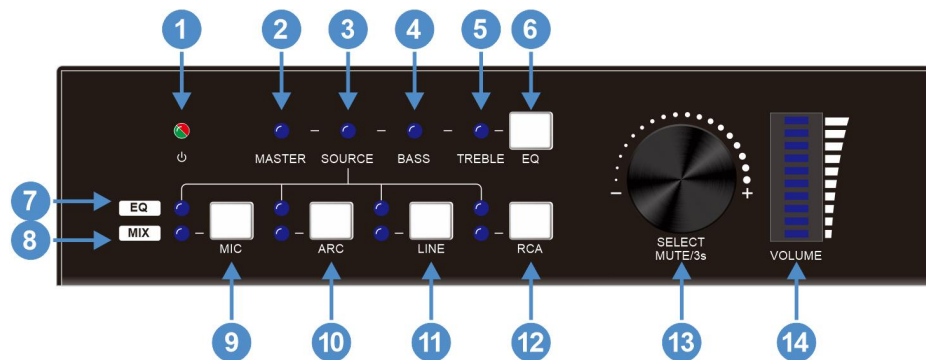
1x MP-PA42 -GEN2
1x 3-pin Phoenix Male Plug (MIC)
3x 5-pin Phoenix Male Plug (LINE/RS232 & TRG)
1x 4-pin Phoenix Male Plug (MASTER)
1x RS-232 Cable
1x Power Adapter with IEC Power Cord
2x Mounting Ears and 4x Screws
4x Rubber Feet
1x User Manual
1x IR Kit (includes receiver and remote control, optional)

2. Specification

Audio (Master)	
Frequency Response	20Hz - 20kHz, $\pm 3\text{dB}$
SNR	$>85\text{dB}$, A-weighted
THD+N	$<0.1\%$ @1kHz
Crosstalk	$< -80\text{dB}$ @1kHz
Output Power	Stereo: $2 \times 30\text{W}@4\Omega$ or $2 \times 15\text{W}@8\Omega$ Bridge: $1 \times 60\text{W}@4\Omega$ or $1 \times 30\text{W}@8\Omega$
Audio (Line)	
Frequency Response	20Hz - 20kHz, $\pm 1\text{dB}$
SNR	$>90\text{dB}$, A-weighted
THD+N	$<0.05\%$ @1kHz
Crosstalk	$< -85\text{dB}$ @1kHz
General	
Power Input	DC 24V 5A
Operation Temperature	$-5^{\circ}\text{C} \sim +55^{\circ}\text{C}$
Storage Temperature	$-20^{\circ}\text{C} \sim +70^{\circ}\text{C}$
Relative Humidity	$0\% \sim 80\%$
Standby Power Consumption	0.67W(Min)
Dimension (W*H*D)	176mm x 44mm x 120mm
Net Weight	750g

3. Panel Description

3.1 Front Panel



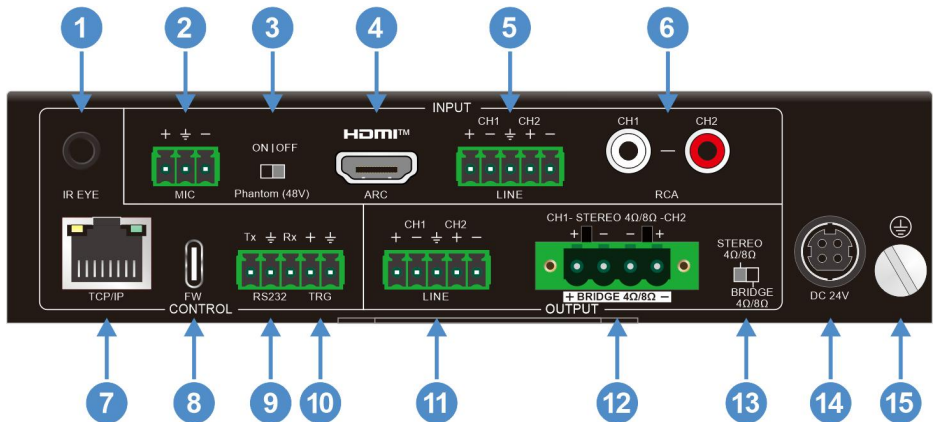
No.	Name	Description
1	POWER	1x green/ red LED, power input indicator. ● LED off: power off. ● Green on: power on. ● Red on: standby. ● Red flash: device is protected (due to abnormal operating).
2	MASTER	1x blue LED, output volume indicator.
3	SOURCE	1x blue LED, input volume indicator.
4	BASS	1x blue LED, bass gain indicator (100 Hz).
5	TREBLE	1x blue LED, treble gain indicator (10.0 kHz).
6	EQ	1x white button, press it to switch MASTER/ SOURCE/ BASS/ TREBLE.
7	EQ LEDs	4x blue LEDs. When the SOURCE LED is on, the knob adjusts the input volume of the selected source (MIC/ ARC/ LINE/ RCA), with MIC as the default.
8	MIX LEDs	4x blue LEDs. LED on when routed to output (solo/mix).
9	MIC	1x white button, press it to route MIC signal to the output.
10	ARC	1x white button, press it to route ARC signal to the output.
11	LINE	1x white button, press it to route LINE signal to the output.
12	RCA	1x white button, press it to route RCA signal to the output.

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Note: It is recommended to connect all devices before routing the audio signal.

13	SELECT or MUTE/3s	1x black continuous rotary knob with push-button function. Rotation function: ● MASTER or SOURCE LED is on: adjusts output or input volume. ● BASS or TREBLE LED is on: adjusts bass or treble gain. Rotate clockwise to increase, counterclockwise to decrease. Push-button function: ● Short press: when SOURCE LED is on, cycles through MIC / ARC / LINE / RCA for input volume adjustment. ● Long press for 3s: toggles mute on/off.
14	VOLUME	10x blue LEDs, 8dB per LED, -80dB~0dB, shown only for output/input volume. All volumes are set to -40dB by default.

3.2 Rear Panel



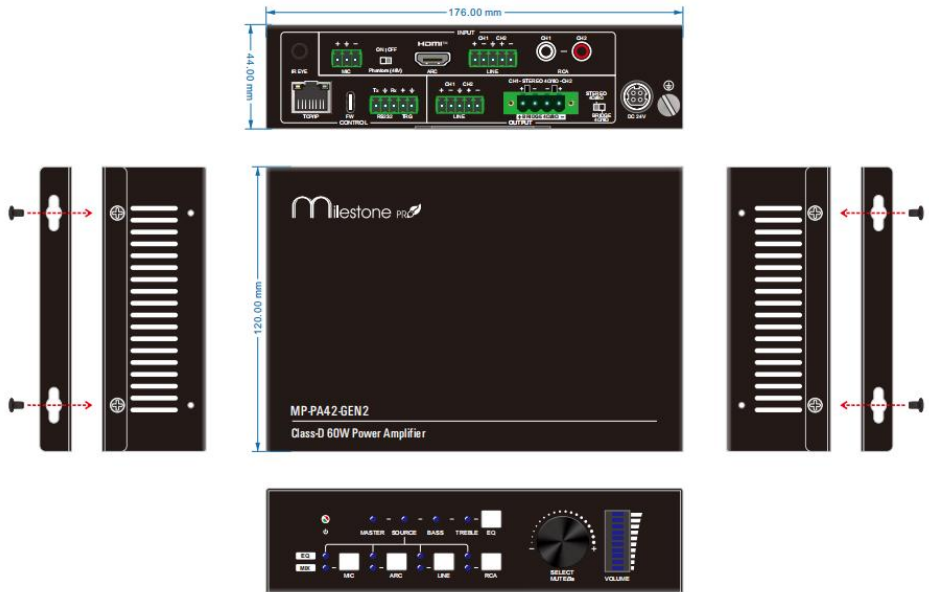
No.	Name	Description
1	IR EYE	1x 3.5mm mini jack, connect to the demodulating IR receiver and controlled by the remote control. Note: IR kit is an optional accessory.

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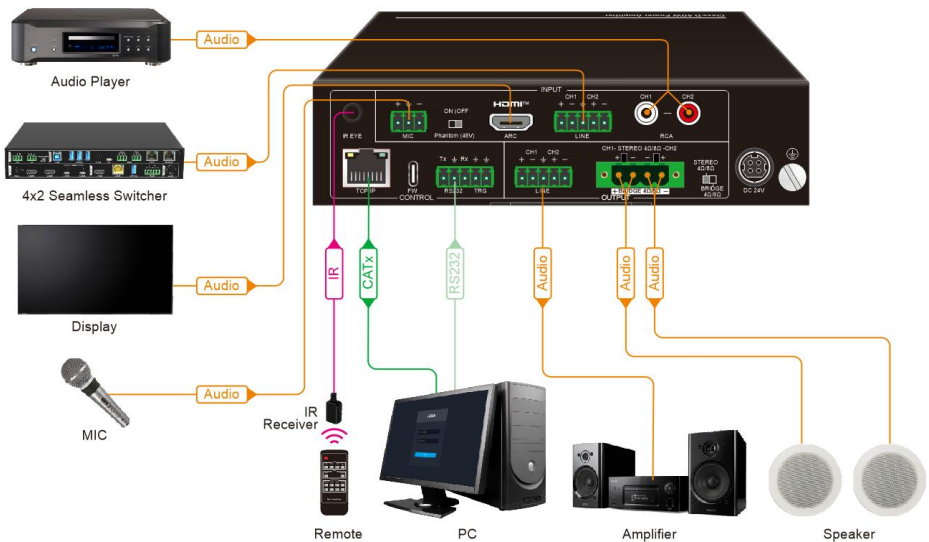
2	MIC	1x 3-pin 3.81mm Phoenix socket, connect to the microphone.
3	Phantom (48V)	1x 2-position switch, enables +48V phantom power when set to ON. Set to OFF by default.
4	ARC	1x HDMI Type-A, connect to the HDMI (ARC) device. ● Support: PCM 2.0 and up to 48kHz. ● Detected device name: Power AMP.
5	LINE IN	1x 5-pin 3.81mm Phoenix socket, connect to the balanced audio source device.
6	RCA	2x RCA jacks, connect to the unbalanced audio source device.
7	TCP/IP	1x RJ45 with yellow and green LEDs, control the device via Web-GUI. LED status: ● Green and yellow are on: linked. ● Green and yellow are off: data transmission. ● Green and yellow are flash: disconnected.
8	FW	1x USB-C, for MCU upgrade.
9	RS232	1x 5-pin 3.81mm Phoenix socket, left 3-pin for RS232. Control the device via RS232 commands.
10	TRG	1x 5-pin 3.81mm Phoenix socket, right 2-pin for TRG. Trigger entry/exit standby mode via external voltage level. Trigger threshold: ● Active Low: 0–3V (<3V) ● Active High: 3–24V (≥3V)
11	LINE OUT	1x 5-pin 3.81mm Phoenix socket, support connect to another amplifier for audio loop-through.
12	MASTER	1x 4-pin 5mm Phoenix socket, connect to the speakers.
13	OUTPUT MODE	1x 2-position switch, switch the output mode to stereo mode or bridge mode. ● Load impedance: 4Ω or 8Ω. ● Output power: stereo mode up to 2x30W, bridge mode up to 1x60W.
14	DC 24V	1x 4-pin circular connector, power input, DC 24V 5A.
15	GND	1x ground screw, chassis ground connection for safety.

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4. Panel Drawing

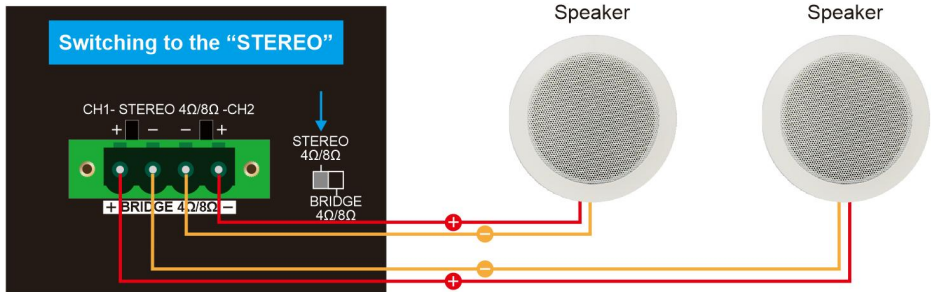


5. System Diagram

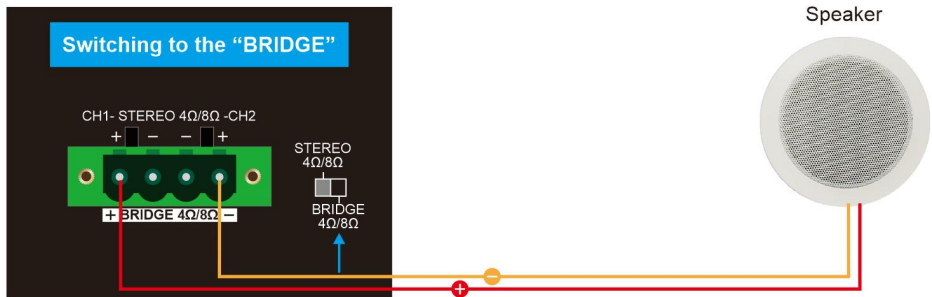


6. Output Connection

When dial at STEREO $4\Omega/8\Omega$, connection as show below:



When dial at BRIDGE $4\Omega/8\Omega$, connection as show below:



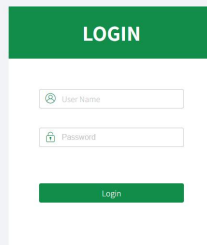
7. Web-GUI Control

Connect the TCP/IP port of the MP-PA42 -GEN2. TCP/IP supports static IP by default.

If connect the amplifier directly to the PC and using the static IP, please enter the IP address: **192.168.0.178**

If it is DHCP, please use the assigned IP address.

Please type the IP address in the address bar of the browser to enter the Web-GUI login interface.

The image shows a web browser window displaying a login page. At the top, there is a green header bar with the word "LOGIN" in white capital letters. Below the header, there are two input fields: the first is labeled "User Name" and the second is labeled "Password". Both fields have a small icon to their left. Below the password field, there is a green button with the word "Login" in white text. The entire login form is centered on a light gray background.

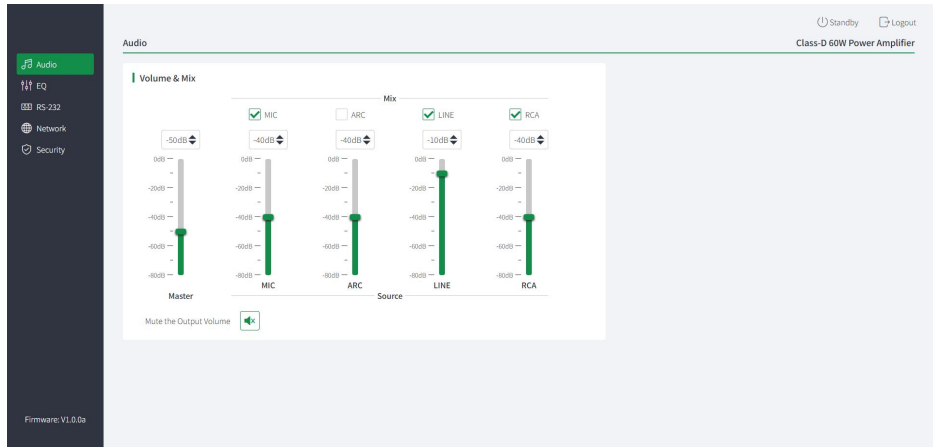
Then type the Username and the Password. The default login information is as follows:

Username: admin
Password: Admin123@

Last, click Login to enter the main interface.

Note: To protect the safety of the device, please change the default password in time.

7.1 Audio



Source Routing:

Check each input to include it in the main mix, or select a single input for solo output.

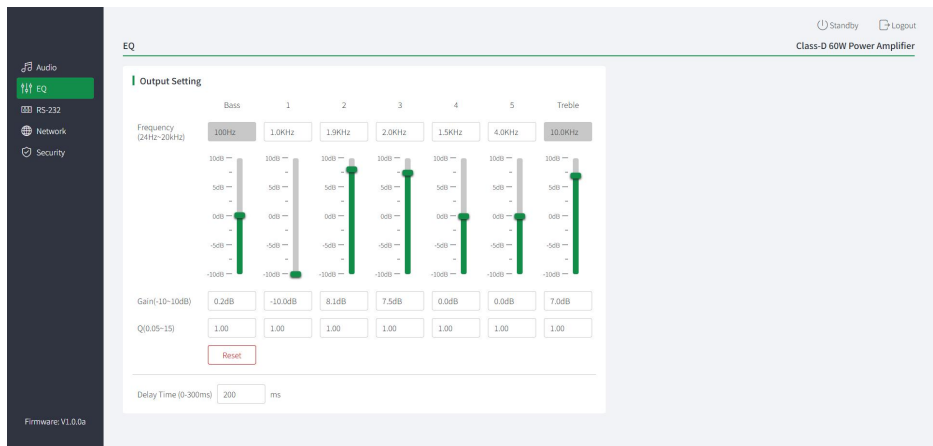
Volume Control:

Independent adjustment for input and output volume.

Master Mute:

One-touch mute/unmute for output.

7.2 EQ



Frequency:

Selects the target frequency to adjust Gain and Q.

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Gain:

Boosts or cuts the level at the selected frequency (dB).

Q:

Higher Q = narrower range; lower Q = wider range.

Delay Time (ms):

Adjust to match project tempo for rhythmic coherence.

7.3 RS232

The screenshot shows the RS-232 configuration page. On the left is a dark sidebar with navigation icons for Audio, EQ, RS-232 (highlighted in green), Network, and Security. The main area has a light blue background with a title bar containing 'Standby' and 'Logout' buttons. Below the title bar, the page is titled 'RS-232'. The settings are as follows:

Format	ASCI ☒ HEX
Baud Rate	115200
Data Bit	8
Stop Bit	2
Parity	Even
Command Ending	LF
Command	

At the bottom of the settings area are 'Send' and 'Cancel' buttons. The footer of the sidebar indicates 'Firmware: V1.0.0a'.

RS-232 settings:

For format, baud rate, data bit, stop bit, parity, command ending and send command to control the 3rd-party device.

7.4 Network

The screenshot shows the Network configuration page. The sidebar is identical to the previous page, with 'Network' highlighted in green. The main area has a light blue background with a title bar containing 'Standby' and 'Logout' buttons. Below the title bar, the page is titled 'Network'. The settings are as follows:

IP Setting	
MAC Address	16:C1:D0:00:07:55
IP Mode	DHCP ☒ Static IP
IP Address	192.168.0.178
Subnet Mask	255.255.255.0
Gateway	192.168.0.1

At the bottom of the settings area are 'Save' and 'Cancel' buttons. The footer of the sidebar indicates 'Firmware: V1.0.0a'.

Network settings:

Set IP mode, address, subnet mask, gateway and view MAC address.

7.5 Security

The screenshot shows the 'Security' settings page of the Class-D 60W Power Amplifier. The sidebar on the left contains navigation links: Home, Audio, EQ, Settings, Network, and Security (which is currently selected). The main content area is titled 'Security' and includes the following sections:

- Password Change:** Fields for Old Password, New Password, and Confirm Password. A note states: 'Password must have a minimum of 8 characters, including at least 1 number, 1 letter case, 1 upper case and 1 special character.' Buttons for 'Save' and 'Cancel' are at the bottom.
- Firmware Upgrade:** Radio buttons for 'VCL', 'DSP 1', and 'DSP 2'. A 'Browse' button is next to the 'VCL' option. A 'Upgrade' button is at the bottom right.
- Front Panel Lock:** A toggle switch labeled 'Enable' with 'OFF' and 'ON' positions. The switch is currently in the 'ON' position.
- Auto Standby:** A toggle switch labeled 'Enable' with 'OFF' and 'ON' positions. The switch is currently in the 'OFF' position. Below it, a 'Delay Time' slider is set to '180' minutes, with a range from '180' to '180' minutes.
- Trigger:** A toggle switch labeled 'Enable' with 'OFF' and 'ON' positions. The switch is currently in the 'OFF' position. Below it, a 'Level' selector has 'Low' and 'High' options, with 'High' selected.
- Factory Default:** A 'Reset' button.

At the bottom left of the sidebar, it says 'Firmware: V1.0.0a'. At the top right of the main area, there are links for 'Security' and 'Logout', and a status indicator 'Class-D 60W Power Amplifier'.

Password Change:

Allows the user to update the Web-GUI login password.

Firmware Upgrade:

The user can browse for the appropriate firmware files and initiate the upgrade process.

Front Panel Lock:

Enables or disables the front-panel physical buttons.

Auto Standby:

When enabled, the device will enter standby after a preset period of inactivity.

Trigger:

When enabled, the unit will react to input level thresholds. When disabled, the trigger function is ignored, and operation relies on manual or other control sources.

Factory Default:

Restores all system parameters to their original factory default values.

8. RS-232 Control

8.1 RS-232 Control Software

Installation: Copy the control software file to the control PC

Uninstallation: Delete all the control software files in corresponding file path.

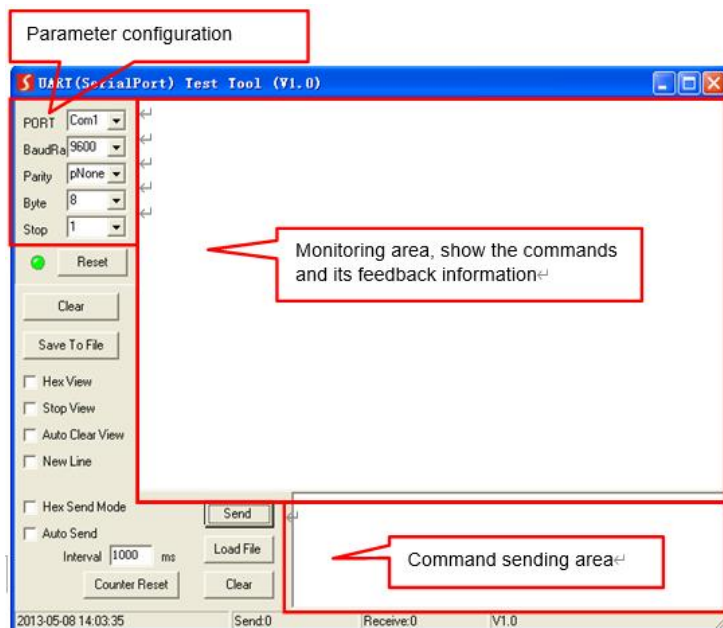
Basic Setting:

Connect the MP-PA42 -GEN2 with all input devices and output devices needed, then connect it with a PC which is installed with RS-232 control software. Double-click the software icon to run this software.

Here takes the software CommWatch.exe as example:



The main view is shown as below:



Please set the parameters of COM number, bound rate, data bit, stop bit and the parity bit correctly, and then you are able to send command in command sending area. For related parameters, please refer to 8.2 RS-232 Command.

8.2 RS-232 Command

Baud rate: 57600 (default)

Data bit: 8

Stop bit: 1

Parity bit: NONE

Command terminator: <CR><LF>

Error command feedback code: <Command Error

<Out of Range

Note:

1. Commands are not case sensitive and can automatically identify mixed case commands;
2. The "0" in front of the valid value can be ignored, for example: 01 and 1 inputs are both normal variable values;
3. The space between the command and the variable can be ignored, for example: >SetVideo01 and >SetVideo 01 commands can be sent effectively.

8.2.1 Get the Device Information

Command	Function	Example & Feedback
>?/Help	Get the command details	>? or >Help <Class-D 60W 4x2 Power Amplifier <MP-PA42 -GEN2 <MCU Version: V1.0.0 <DSPA Version: V1.0.0 <DSPB Version: V1.0.0 <System Information Commands >?/Help Print Help Information >GetStatus Print System Status >GetFwVersion Print FW Version <System Control Commands >SetDeviceName:xx Device Name: xx >SetPower On/Off System Power On/Off >SetTrg On/Off System Trg Control On/Off >SetTrgActive H/L Set Unit Standby When Detecting High/Low Levels Voltage >SetKeyLock On/Off System KeyLock Control On/Off >FactoryReset FactoryReset >Reboot System Reboot And Apply New Config!!! >SetAutoStandby On/Off

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		System Auto Standby On/Off >SetAutoStandbyTime xx Auto Standby Time When No Signal Output(Default: 15min) xx = 1 ~ 180 >SetAudioDelayTime xx Audio Output Delay Time xxms(Default: 0ms) xx = 0 ~ 300 >SetOutVol xx Audio Output Volume xxdB(Default: -40dB) xx = -80 ~ 0 >SetOutMute On/Off Audio Output Mute On/Off >SetEQFrequency xx:yy Audio Output EQ xx Frequency yyHz xx = 1 ~ 5 yy = 24 ~ 20000 >SetEQGain xx:yy Audio Output EQ xx Gain yydB(Default: 0dB) xx = 0 All, 1 ~ 5, 6 Bass, 7 Treble yy = -10.0 ~ 10.0 >SetEQQ xx:yy Audio Output EQ xx Q yy(Default: 1) xx = 0 All, 1 ~ 5, 6 Bass, 7 Treble yy = 0.05 ~ 15 >ReSetEQCFG Reset EQ Configuration >SetInVol xx:yy Set The Input xx Volume yydB(Default: -40dB) xx = 0 All, 1 MIC, 2 ARC, 3 LINE, 4 RCA yy = -80 ~ 0 >SetInMix xx On/Off Set The Input xx On/Off xx = 0 All, 1 MIC, 2 ARC, 3 LINE, 4 RCA <RS232 Control Commands >SetRs232Out y:z:a:b:c:d:e Send y Type Of Command e With Baud Rate z, Data Bit a, Stop Bit b, Parity c, Command Ending d Output y = a ASCII, h HEX
--	--	--

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		z = 1 2400, 2 4800, 3 9600, 4 19200, 5 38400, 6 57600 (Default), 7 115200 a = 1 7, 2 8 b = 1 1, 2 1.5, 3 2 c = 0 None, 1 Even, 2 Odd(Note: Must Use Even/Odd When Data Bit = 7) d = Command Ending: [00-03] 00 NULL, 01 CR, 02 LF, 03 CR+LF e = RS232 commandr >SetRs232Baud z RS232 Baud Rate xx z = 1 2400, 2 4800, 3 9600, 4 19200, 5 38400, 6 57600(Default), 7 115200 <Network Control Commands >SetNetDHCP On/Off TCP/IP Auto IP(DHCP) On/Off >SetNetIp xxx.xxx.xxx.xxx TCP/IP IP Address >SetNetGw xxx.xxx.xxx.xxx TCP/IP Gateway Address >SetNetSm xxx.xxx.xxx.xxx TCP/IP Subnet Mask Address >SetNetRb Network Reboot And Apply New Config																														
>GetStatus	Get device status	>GetStatus <Class-D 60W 4x2 Power Amplifier <MP-PA42 -GEN2 <MCU Version: V1.0.0 <DSP 1 Version: V1.0.0 <DSP 2 Version: V1.0.0 <Power On <KeyLock Off <Trigger Off <TrgActive 3-24V <RS232Baud 57600 <AutoStandby On <AutoStandbyTime 15min <AudioDelayTime 0ms <OutVolume 0dB <OutMute Off <EQFrequency <table><tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td></tr><tr><td>64Hz</td><td>250Hz</td><td>1000Hz</td><td>4000Hz</td><td>8000Hz</td></tr></table> <EQGain <table><tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td></tr><tr><td>Bass</td><td>Treble</td><td></td><td></td><td></td></tr><tr><td>0.0dB</td><td>0.0dB</td><td>0.0dB</td><td>0.0dB</td><td>0.0dB</td></tr><tr><td>0.0dB</td><td>0.0dB</td><td></td><td></td><td></td></tr></table> <EQQ	1	2	3	4	5	64Hz	250Hz	1000Hz	4000Hz	8000Hz	1	2	3	4	5	Bass	Treble				0.0dB	0.0dB	0.0dB	0.0dB	0.0dB	0.0dB	0.0dB			
1	2	3	4	5																												
64Hz	250Hz	1000Hz	4000Hz	8000Hz																												
1	2	3	4	5																												
Bass	Treble																															
0.0dB	0.0dB	0.0dB	0.0dB	0.0dB																												
0.0dB	0.0dB																															

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		1 2 3 4 5 Bass Treble 1.00 1.00 1.00 1.00 1.00 1.00 1.00 <InMix IN MIC ARC LINE RCA STA Off Off On Off <InVol IN MIC ARC LINE RCA VOL 0dB 0dB 0dB 0dB <DHCP Off <IP Address 192.168.000.178 <Gateway Address 192.168.000.001 <Subnet Mask 255.255.255.000 <LAN MAC 16:C1:D0:00:09:88
>GetFwVersion	Get version information	>GetFwVersion <MCU Version: V1.0.0 <DSP 1 Version: V1.0.0 <DSP 2 Version: V1.0.0
>GetDeviceName	Get device name	>GetDeviceName <Device Name: MP-PA42 -GEN2
>GetPower	Get standby mode	>GetPower <Power On
>GetKeyLock	Get system button control switch status	>GetKeyLock <KeyLock Off
>GetTrg	Get Trg mode	>GetTrg <Trigger Off
>GetTrgActive	Get the Trg level	>GetTrgActive <TrgActive 0-3V
>GetAutoStandby	Get automatic standby status	>GetAutoStandby <AutoStandby On
>GetAutoStandby Time	Get automatic standby time	>GetAutoStandbyTime <AutoStandbyTime 1min
>GetAudioDelayTime	Get audio delay time	>GetAudioDelayTime <AudioDelayTime 100ms
>GetOutVol	Get audio volume	>GetOutVol <OutVolume 0dB
>GetOutMute	Get audio mute status	>GetOutMute <OutMute Off
>GetEQFrequency	Get EQ frequency point value	>GetEQFrequency <EQFrequency 1 2 3 4 5 111Hz 250Hz 1000Hz 4000Hz 8000Hz
>GetEQGain	Get EQ gain value	>GetEQGain <EQGain 1 2 3 4 5 Bass Treble 1.0dB 0.0dB 0.0dB 0.0dB 0.0dB 0.0dB 0.0dB
>GetEQQ	Get EQ Q value	>GetEQQ <EQQ

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		1 Bass 0.05 1.00	2 Treble 1.00	3 1.00	4 1.00	5 1.00
>GetInVol	Get the volume of the input channel	>GetInVol <InVol IN MIC ARC LINE RAC VOL 0dB 0dB 0dB 0dB				
>GetInMix	Get the mixing status of the input channel	>GetInMix <InMix IN MIC ARC LINE RAC STA On On On On				

8.2.2 Setting the Device

Command	Function	Example & Feedback
>SetDeviceName	Set Device Name >SetDeviceName:[Param1] XX = The device name to send to (maximum 14 strings)	>SetDeviceName:MP-PA42 -GEN2
		<Device Name: MP-PA42 -GEN2
>SetPower	Enter/Exit Standby Mode >SetPower [Param1] Param1 = On,Off On - Power on Off - Power off	>SetPower On or >SetPower Off <System Power On, Please Wait A Moment... Done or <System Power Off
>SetKeyLock	Set the system key control switch status >SetKeyLock [Param1] Param1 = On,Off On - <SetKeyStatus Off Off - <SetKeyStatus On	>SetKeyLock On or >SetKeyLock Off <KeyLock On or <KeyLock Off
>SetTrg On/Off	Set the Trig mode >SetTrg [Param1] Param1 = On,Off On - <Trigger On Off - <Trigger Off	>SetTrg On or >SetTrg Off <Trigger On or <Trigger Off
>SetTrgActive H/L	Set the trigger voltage level for the Trigger (Trg) >SetTrgActive [Param1] Param1 = H,L H - <Trigger Active Voltage 3-24V L - <Trigger Active Voltage 0-3V	>SetTrgActive L or >SetTrgActive H <TrgActive 0-3V or <TrgActive 3-24V
>SetAutoStandby On/Off	Set automatic standby mode >SetAutoStandby [Param1] Param1 = On,Off	>SetAutoStandby On or >SetAutoStandby Off <AutoStandby On or <AutoStandby Off

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>SetAutoStandbyTime	Set automatic standby time >SetAutoStandbyTime [Param1] Param1 = 1:180	>SetAutoStandbyTime 1
		<AutoStandbyTime 1min
>SetAudioDelayTime	Set audio delay time >SetAudioDelayTime [Param1] Param1 = 0:300	>SetAudioDelayTime 100
		<AudioDelayTime 100ms
>SetOutVol	Set audio volume >SetOutVol [Param1] Param1 = -80:0	>SetOutVol 0
		<OutVolume 0dB
>SetOutMute	Set audio mute status >SetOutMute [Param1] Param1 = On,Off	>SetOutMute Off
		<OutMute Off
>SetEQFrequency	Set EQ frequency values >SetEQFrequency [Param1]:[Param2] Param1 = 1:5 Param2 = 24:20000	>SetEQFrequency 1:111
		<EQFrequency 1 111Hz
>SetEQGain	Set EQ Gain >SetEQGain [Param1]:[Param2] Param1 = 0 All, 1:5, 6 Bass, 7 Treble Param2 = -10.0:10.0	>SetEQGain 1:1
		<EQGain 1 1.0dB
>SetEQQ	Set EQ Q >SetEQQ [Param1]:[Param2] Param1 = 0 All, 1:5, 6 Bass, 7 Treble Param2 = 0.05:15.00	>SetEQQ 1:0.05
		<EQQ 1 0.05
>SetInVol	Set the input channel volume: >SetInVol [Param1]:[Param2] Param1 = 0 All, 1 MIC, 2 ARC, 3 L/R1, 4 L/R2 Param2 = -80 : 0	>SetInVol 1:-1
		<InVol MIC -1dB
>SetInMix	Set the mixing state of the input channels >SetInMix [Param1] [Param2] Param1 = 0 All, 1 MIC, 2 ARC, 3 L/R1, 4 L/R2 Param2 = On,Off	>SetInMix 1 On
		<InMix MIC On

8.2.3 Setting for Communication

>SetRs232Baud	Set RS232 Baud Rate >SetRs232Baud [Param1] Param1 = 1-7 1: 2400 2: 4800 3: 9600 4: 19200 5: 38400 6: 57600 (Default) 7: 115200	>SetRs232Baud 6
		<RS232Baud 57600
>GetRs232Baud	Get RS232 Baud Rate	>GetRs232Baud
		<RS232Baud 57600
>SetRs232Out	RS232 Passthrough (Supports up to 600 bytes of data passthrough) >SetRs232Out [Param1]:[Param2]:[Param3]:[Param4]:[Param5]:[Param6]:[Param7] Param1 = a,h a: ASCII h: HEX Param2 = 1-7 (Baud Rate) 1: 2400 2: 4800 3: 9600 4: 19200 5: 38400 6: 57600 (Default), 7: 115200 Param3 = 1-2 (Data Bit) 1: 7 2: 8 Param4 = 1-3 (Stop Bit) 1: 1 2: 1.5 3: 2 Param5 = 0-2 (Parity, Note: Must Use Even/Odd When Data Bit = 7) 0: None 1: Even 2: Odd Param6 = 0-3 00: NULL 01: CR 02: LF 03: CR+LF Param7 = string	>SetRs232Out a:6:2:1:0:00:123
		123

Class-D 60W Power Amplifier

>SetNetDHCP On/Off	Set TCP/IP DHCP status >SetNetDHCP [Param1] Param1 = On,Off	>SetNetDHCP On or >SetNetDHCP Off
		<DHCP On or <DHCP Off
>GetNetDHCP	Get TCP/IP DHCP status	>GetNetDHCP
		<DHCP Off
>SetNetIp	Set TCP/IP IP address >SetNetIp [Param1] Param1 = XXX.XXX.XXX.XXX	>SetNetIp 192.168.000.178
		<IP Address 192.168.000.178
>GetNetIp	Get TCP/IP IP address	>GetNetIp
		<IP Address 192.168.000.178
>SetNetGw	Set TCP/IP Gateway address >SetNetGw [Param1] Param1 = XXX.XXX.XXX.XXX	>SetNetGw 192.168.000.001
		<Gateway Address 192.168.000.001
>GetNetGw	Get TCP/IP Gateway address	>GetNetGw
		<Gateway Address 192.168.000.001
>SetNetSm	Set TCP/IP Subnet Mask address >SetNetSm [Param1] Param1 = XXX.XXX.XXX.XXX	>SetNetSm 255.255.255.000
		<Subnet Mask 255.255.000.255.000
>GetNetSm	Get TCP/IP subnet mask address	>GetNetSm
		<Subnet Mask 255.255.255.000
>SetNetRb	Reboot IP services	>SetNetRb
		<Network Reboot And Apply New Config!!!

8.2.4 Restore the Device

Command	Function	Example & Feedback
>FactoryReset	Restore factory settings	>FactoryReset
		<FactoryReset
>Reboot	MCU reboot	>Reboot
		<Reboot

9. Customer Service

The return of a product to our Customer Service implies the full agreement of the terms and conditions hereinafter. These terms and conditions may be changed without prior notice.

1) Warranty

The limited warranty period of the product is fixed three years.

2) Scope

These terms and conditions of Customer Service apply to the customer service provided for the products or any other items sold by authorized distributor only.

3) Warranty Exclusions:

Warranty expiration.

Factory applied serial number has been altered or removed from the product.

Damage, deterioration or malfunction caused by:

- ✧ Normal wear and tear.
- ✧ Use of supplies or parts not meeting our specifications.
- ✧ No certificate or invoice as the proof of warranty.
- ✧ The product model showed on the warranty card does not match with the model of the product for repairing or had been altered.
- ✧ Damage caused by force majeure.
- ✧ Servicing not authorized by distributor.
- ✧ Any other causes which do not relate to a product defect.

4) Documentation:

Customer Service will accept defective product(s) in the scope of warranty coverage at the sole condition that the defect has been clearly defined, and upon reception of the documents or copy of invoice, indicating the date of purchase, the type of product, the serial number, and the name of distributor.

Note: For further assistance or solutions, please contact your local distributor.