

Masterpiece Signature Series

Portable Bluetooth Amplifier



MPC-4226B
User's Guide
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Device Overview

The Masterpiece Signature Series Portable Amplifier (**MPC-4226B**) is a portable Bluetooth stereo amplifier which is the only one on the market containing a re-chargeable battery. This design takes advantage of several technologies that offer a complete portable solution to produce full range, high definition stereo sound at volumes capable of filling large indoor rooms such as dance halls or small auditoriums. It also serves well in large outdoor areas such as at tailgate parties, beach / pool parties, cookouts or any other area where small, self-contained Bluetooth speakers will not suffice.

The amplifier uses two optional audio sources; a USB port for supplying thousands of MP3 or FLAC files, and a Bluetooth receiver that accepts streaming media input from up to 100' away with the built-in antenna. Bluetooth signals can be sourced from Smartphones, tablets, laptops, etc. and play hours of continuous music.

The unique feature of this amplifier that separates it from all others is that it is **battery-powered**. This feature provides for up to 12-15 hours of total portable use.

An AC / DC power adapter is included for battery recharging.

Speakers can be connected to amplifier by spring-loaded, bare-wire connector jacks located on the rear of amplifier.

Features

- The amplifier provides 40-watts per channel of high-quality audio output
- Bluetooth Audio Streaming
- 5000 mA Ion Lithium Battery
- USB port plays music files without requiring a streaming source
- Play / Pause, FF and Rewind buttons give you control of your music experience
- Auxiliary input allows connectivity to a CD player or other external music sources
- On / Off volume control knob
- DC input lets you fully recharge your batteries
- Removable antenna provides Bluetooth reception up to 100' from source

Functional View

Masterpiece Signature Series

MPC-4226B



front view



rear view

MPC-4550

(40w tethered)



front View



rear view

MPC-4555

(100w tethered)



front View



rear view



Front View:

The Masterpiece Signature Series Amplifier has **Fast – Forward, Rewind**, and **Play** controls mounted on the front of the device.

These controls also double as functional controls for the different "**Modes**" of the device.

Holding the **Play/Pause button** toggles the unit between streaming **Bluetooth Mode**, **FM Radio Mode**, **Aux Line in Mode** and **USB Mode**. Holding the **FF** and **RWD** buttons allow you to tune the FM Radio, whereas they allow scrolling to the next and previous stations. When the **USB** is in use, the buttons allow scrolling for specific songs.

An AUX IN/auxiliary jack (3.5mm) input is provided for connecting external devices such as LCD TV, CD / DVD player, iPod.



RCA to 3.5mm cord

- USB port provides digital connectivity freeing-up your smart phone or tablet from streaming duties.
- On/Off Power Indicator Light illustrates power status of the device.
- Battery Status Indicator illustrating battery life (100%, 50%, 0).
- (Infer Red) indicator indicates IR activation.
- On/Off knob also provides volume control capability.

Rear View:



The DC input is provided for connecting the power adapter.

The Audio Out provides digital output of content being streamed or played through the amplifier.

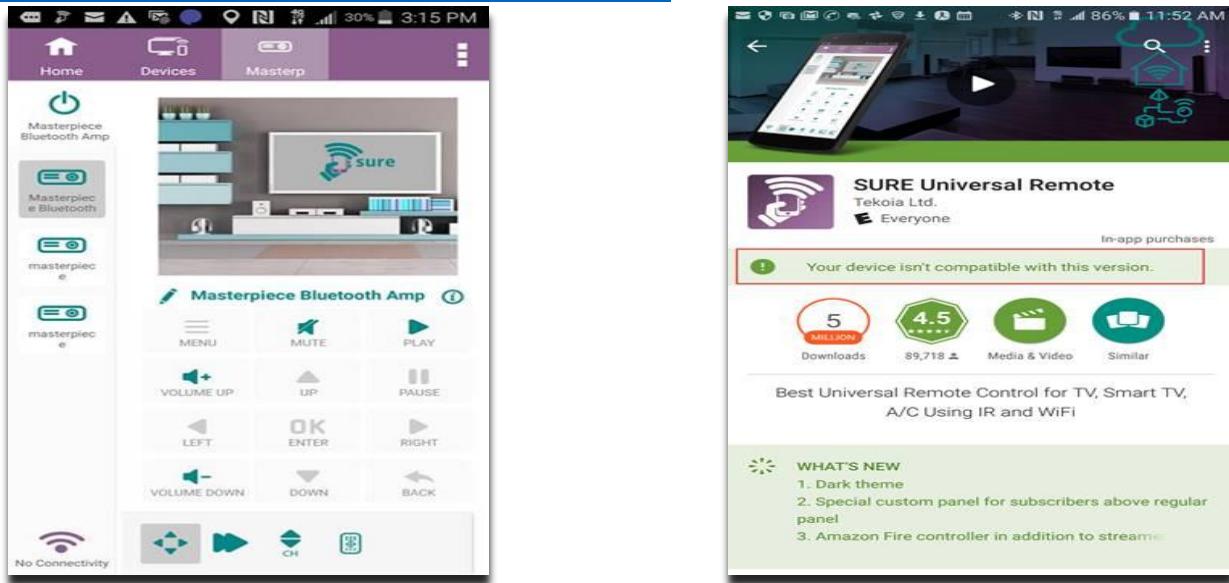
The Battery Status light is mounted on the front on some models.

There are 4 spring loaded speaker inputs that allow connecting speakers by pushing the lever down, inserting the bare wires and releasing to lock wires in place.

The antenna allows for maximum signal reception. (**Note: Antenna must be screwed onto the antenna jack and tightened to assure proper Bluetooth operation.**)

Each Masterpiece Signature Series Amplifier has a downloadable App (Android) which allows remote control functioning from smartphone. Obtain the downloadable App from the Google Play Store and download the App to phone.

http://www.gsmarena.com/samsung_galaxy_note5-7431.php



To see if your phone has IR capability go to <http://www.gsmarena.com> and search the model # of your phone. Below is an example of a – SAMSUNG GALAXY NOTE 4

SOUND	Alert types	Vibration; MP3, WAV ringtones
	Loudspeaker	Yes
	3.5mm jack	Yes - 24-bit/192kHz audio - Active noise cancellation with dedicated mic
COMMS	WLAN	Wi-Fi 802.11 a/b/g/n/ac, dual-band, Wi-Fi Direct, hotspot
	Bluetooth	v4.1, A2DP, EDR, LE
	GPS	Yes, with A-GPS, GLONASS, BDS
	NFC	Yes
	Infrared port	Yes This is a Samsung Note 4
	Radio	No
	USB	microUSB v2.0 (MHL 3 TV-out), USB Host
FEATURES	Sensors	Fingerprint (front-mounted), accelerometer, gyro, proximity, compass, barometer, gesture, UV, heart rate, SpO2
	Messaging	SMS(threaded view), MMS, Email, Push Mail, IM
	Browser	HTML5
	Java	No

Technical Specifications

- DC input :16V2A
- Output power: 2 x 40 W (rms) Built-in 5000mA polymer battery
- Wireless range: max. 100 ft.; line of sight (No shield state and the actual range depends on the Bluetooth-enabled device)
- Frequency response: 20 Hz - 20 kHz Dynamic range: typ. 95 dBA Total harmonic distortion (THD+N): 0.04 % @ 20 W, 1 kHz
- Supported Bluetooth Profiles: HFP, A2DP, AVRCP Power efficiency: 93 % Channel separation: 77 dB
- Standby power consumption: < 2 W Dimensions:105*75*55mm (W*L*H)
- Weight: 0.9KG (Contain battery and power adapter)

Limited Warranty

Each Masterpiece Signature Series Amplifier (**MPC-4226B, 4550 & 4550**) has a 1 year limited warranty against defective parts or workmanship. Contact us directly sales@masterpiececorp.com to arrange for in-warranty repair or replacement.