

# EXPEDITION

Owner's Manual

**XP106**  
PORTABLE PA WITH Bluetooth



**SAMSON®**

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## Features



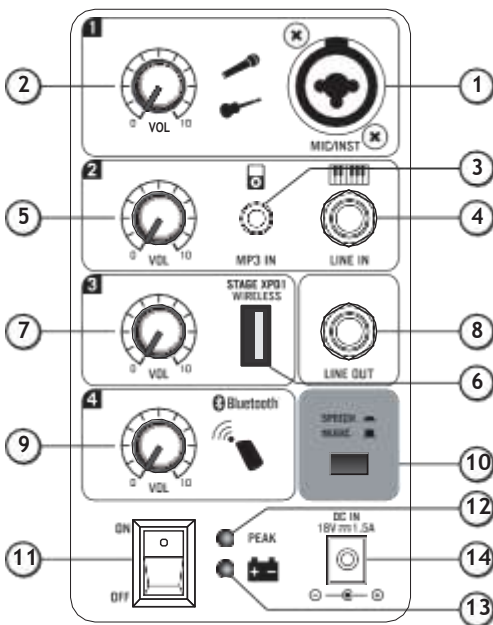
- Lightweight, 100 watt PA system that weighs under 20 pounds
- Bluetooth connectivity to connect wireless music sources
- 2-way speaker enclosure with 6-inch woofer and 1-inch high frequency driver
- Four channel mixer with microphone, line level, and USB wireless receiver inputs.
- Integrated 1 3/8-inch speaker stand mount
- Ergonomic top carry handle
- Internal rechargeable battery for up to 20 hours of continuous use
- System equalization contour switch for music and spoken word applications
- Link output for expanding your sound system

### Accessories

- XP106 - Dynamic handheld microphone with XLR cable
- XP106w - Stage XPD1 digital handheld wireless system with USB receiver and handheld transmitter

# Control Panel Features

1. **MIC/INST Input** - Use this XLR/ $\frac{1}{4}$ " input for microphone, instrument with and active preamp or a line signal.
2. **LEVEL (CHANNEL 1)** - Used to control the level of the CHANNEL 1 Mic/Line input.
3. **AUX IN** - Connect a line level device using a 3.5mm audio cable.
4. **LINE Input** -  $\frac{1}{4}$ " input used to connect instrument or line level signals.
5. **LEVEL (CHANNEL 2)** - Used to control the level of the MP3 IN and LINE inputs.
6. **2.4GHz WIRELESS Input\*** - Connect the Samson Stage XPD1 digital wireless USB receiver to this input. The wireless receiver gets its power from the XP106, so no additional power supply is needed.
7. **LEVEL (WIRELESS)** - Used to control the level of the 2.4GHz WIRELESS input.
8. **LINE OUT** -  $\frac{1}{4}$ " output connector to link multiple XP106 systems together
9. **LEVEL (BLUETOOTH<sup>®</sup>)** - Used to control the level of the *Bluetooth* input.
10. **SPEECH/MUSIC Switch** - This switch is used to change the overall frequency response, or tone contour, for the XP106 sound system. If your application is mainly for music, leave the switch up to select the MUSIC response curve. If your application is mainly for spoken word, press the switch down to select the SPEECH response curve.
11. **Power** - Switches on the main power.
12. **PEAK LED** - The Red LED illuminates at the level where distortion occurs.
13. **Battery Indicator** - Displays the status of the battery charge level.
14. **DC IN** - Connect the supplied power adapter here.

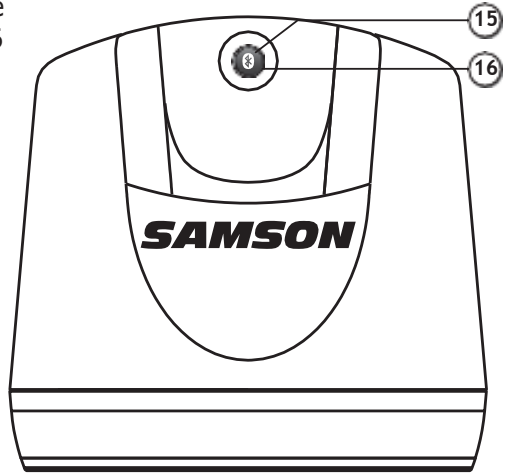


\* The USB connector is for the Stage XPD1 receiver only. The connector is not designed to charge smartphones, tablets, or similar devices.

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## Control Panel Features

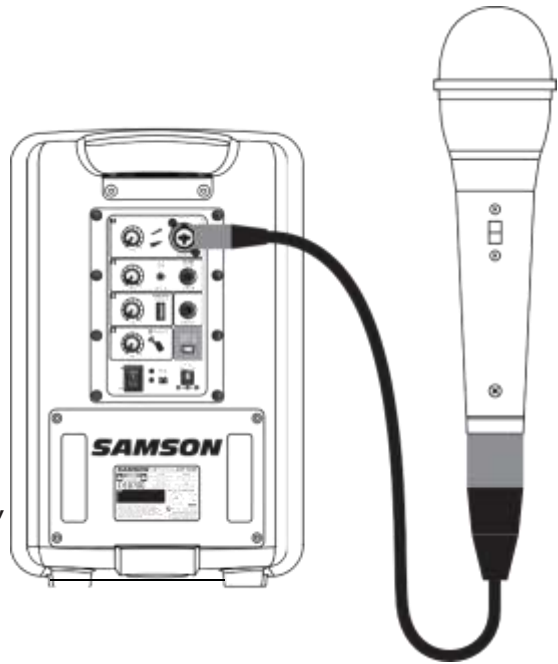
- 15. **Pairing Indicator** - Displays the *Bluetooth* status of the XP106 system.
- 16. **Pairing Button** - Press this button to enable pairing mode in order to connect to a *Bluetooth* audio device.



# Quick Start

Follow these steps below to quickly get started using your XP106 portable sound system.

- Set the XP106's power switch to the **OFF** position, and fully turn all of the **LEVEL** controls counterclockwise to **0**.
- If an outlet is available, connect the included power adaptor to the **DC IN** of the speaker, and plug it into an AC socket.
- Connect a microphone using a standard XLR cable, line level equipment using a 1/4" instrument cable, or portable audio device using a 1/8" cable.
- Switch on the XP106 power.
- While speaking into the microphone or playing music from a line level audio source, slowly raise the channel **LEVEL** until you have reached the desired level.



***NOTE: If not using the channel 1 input, turn the LEVEL control all the way down to keep out any unwanted noise.***

## Setting a Good Level

Use the Channel **LEVEL** controls to set the individual volume of your microphone, line level and *Bluetooth*<sup>®</sup> devices.

The **PEAK** light illuminates when the signal sending to the internal amplifier begins to reach a level where distortion occurs. If the **PEAK** lights stay on, your mix is too hot and you need to lower the **LEVEL** controls. It is okay for the **PEAK** light to occasionally light, however it should go off quickly and should not constantly stay on.

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## Pairing with a Bluetooth® device

*Bluetooth*® is a wireless communication technology that allows for connectivity between a wide range of devices. The XP106 uses *Bluetooth* to stream high quality audio from your *Bluetooth* enabled device without the need for connecting any cables. In order for your device to work with the XP106 it must first be paired.

1. Turn all channel VOL controls down counterclockwise to 0.
2. With the XP106 and your *Bluetooth* device powered on; press the PAIR button on the top panel of the XP106 speaker to make the speaker discoverable. The *Bluetooth* indicator will slowly flash blue.
3. In the settings of your *Bluetooth* device, set it to "discover" available devices.
4. From the *Bluetooth* device list, select the "Samson XP106" device.
5. If your device asks for a passkey, enter digits 0000 (four zeros) and press OK. Some devices may also ask you to accept the connection.
6. As the XP106 is connecting to your device, the *Bluetooth* indicator will quickly flash blue.
7. The XP106 speaker indicates that pairing is complete when the indicator turns steady blue. You can now stream audio from your device to the XP106 speakers.
8. With the volume control on your *Bluetooth* device turned up, play some music, and slowly raise the XP106 BLUETOOTH channel VOL control until you have reached the desired level.

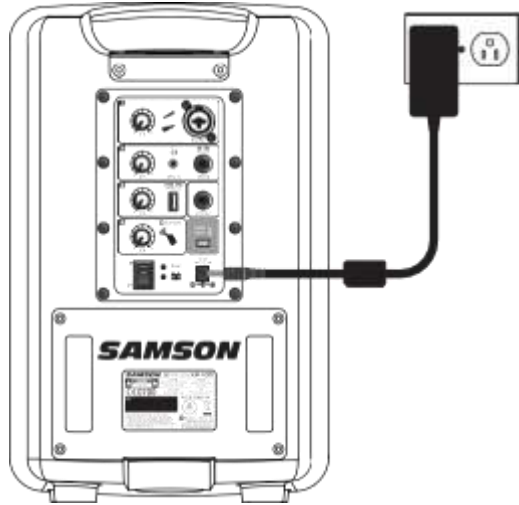


## Charging the Battery

The XP106 has an internal, rechargeable battery capable of up to 20 hours of continuous audio on a full charge. Even though the system may have some charge when first taken out of the box, we recommend fully charging your XP106 before first using the system.

To charge the battery:

- Set the power switch to the "OFF" position.
- Connect the XP106 to an AC power outlet using the included power adapter.
- Keep the system plugged in until the Battery indicator changes to green, indicating the battery is fully charged.



The XP106 utilizes a sealed lead-acid gel cell battery. When not in use, the battery will slowly self-discharge. If you are planning not to use the XP106 for a long period of time, it is advised to fully charge the unit before storing. It is also important to charge the unit every six months when not used. This will ensure a healthy battery and extend its life. If the battery is left with a very low charge for an extended period of time, it is possible to recharge the battery to working condition, but the charge time can take over 24 hours.

If you find that the operation time of the XP106 becomes noticeably decreased, even after fully charging, the battery should be replaced. Contact Samson customer service or your local distributor for a replacement battery.

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# Speaker Placement

The XP106 provides three different placement options for your specific situation.

For maximum sound coverage the XP106 can be used with a standard  $1\frac{3}{8}$ " speaker stand. The speaker should be raised above the heads of the listening audience. Take care when placing the speaker on a stand, to ensure that it is on a level, steady surface and will not tip over.



Take care when placing the XP106 in direct sunlight for long periods of time, as this may discolor or damage the unit.

Do not place the speaker on wet surfaces, as it can cause malfunction. If you notice condensation on the unit, dry the speaker before using or storing.



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## Avoiding Feedback

Feedback is the annoying *howling* and squealing that can heard when the microphone picks up sound from the speaker. The sound is then re-amplified back through the speaker again, creating a feedback loop. Follow these steps to minimize the likelihood of feedback:

- Avoid pointing the microphone directly at the speaker. In general it is recommended that the microphone be positioned behind the speaker enclosure. This uses the directional characteristics of the speaker and microphone to your advantage.
- Keep the microphone as far from the speaker as possible. This will help achieve isolation between the speaker and the microphone, and allow you to increase the output of the XP106.
- Position the microphone as close to the sound source as possible. This will enable the microphone to pick up more direct sound, and allow you to reduce the microphone input gain control.
- Reduce the overall level of the speaker.

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## Using the LINE OUT Jack

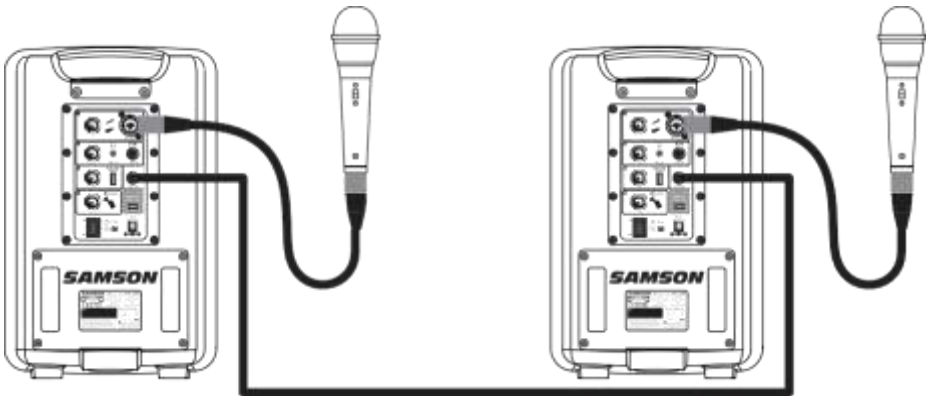
The XP106 LINE OUT jack allows you to connect the XP106 with any powered speaker to expand your system or link two XP106 systems together and share all inputs between the two units. You can also use the jack to receive audio from another speaker without using an input channel.

### Daisy Chain Speaker

Using a standard shielded ¼" instrument cable, connect the LINE OUT on the XP106 to a line level input of second powered speaker. The XP106 will send a mix of all inputs, including Bluetooth® audio. Each channel LEVEL will control corresponding output level to the LINE OUT jack.

### Linking Two XP106 Systems

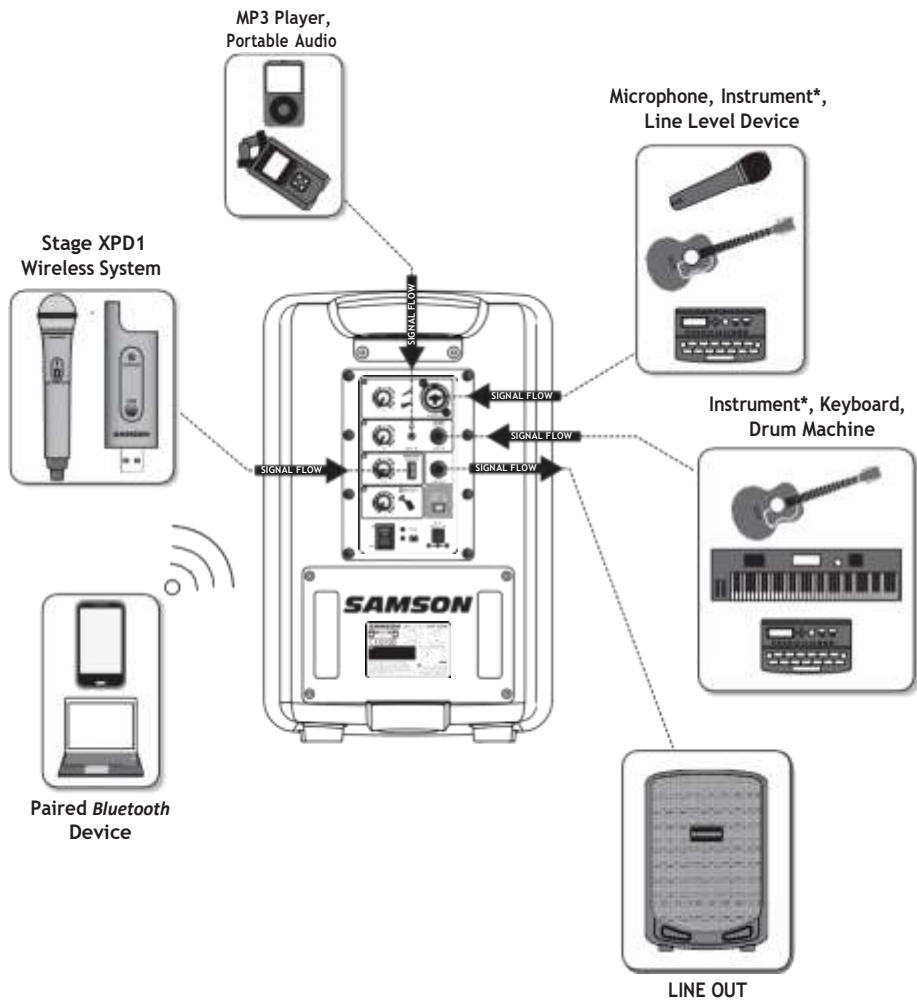
To use two XP106's as one system is simple. Just connect each side using a standard ¼" Shielded instrument cable to the LINE OUT jack located on each XP106 rear panel. Both mixers and the microphones or instruments connected to each of the individual XP106 systems will be heard in both speakers.



### Auxiliary Line Input

The LINE OUT jack can be used to accept any line level input source. This input does not have a level control, so you must utilize the output level of the connected device to control the level of the audio in the XP106.

# Making Connections



*\* An active preamp is needed in order to use acoustic instruments with the XP106.*