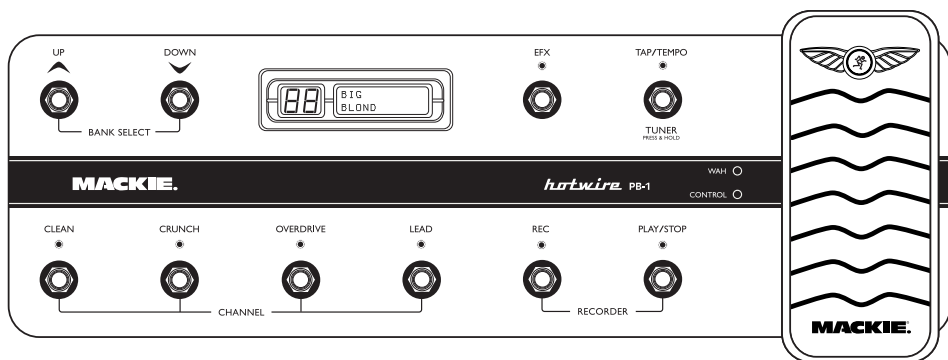


# *hotwire* PB-1

## *Remote Control Pedalboard*

### OWNER'S MANUAL



# MACKIE®

## Important Safety Instructions

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Only use attachments/accessories specified by the manufacturer.
8. Refer all servicing to qualified service personnel.
9. This apparatus shall not be exposed to dripping or splashing, and no object filled with liquids, such as vases, shall be placed on the apparatus.

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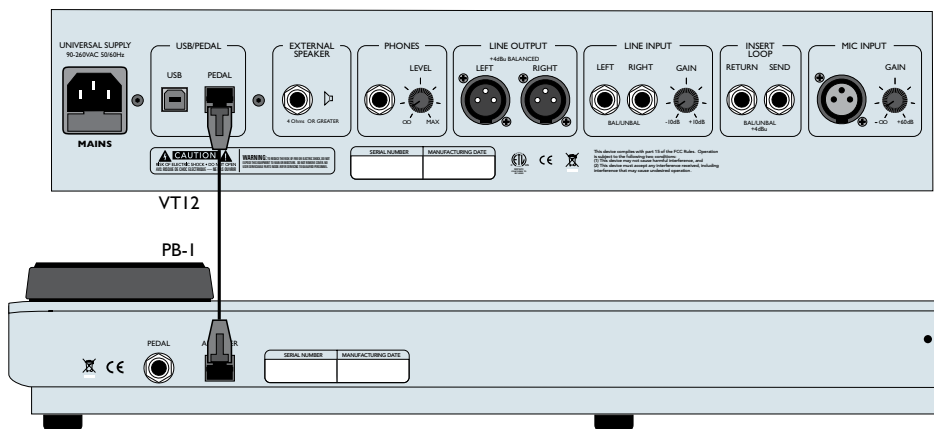
# Introduction

Thank you for choosing the Mackie Hotwire PB-1 multi-function remote pedalboard for the Hotwire VT12 professional guitar amplifier.

The PB-1 has a variety of functions including channel and bank selection, EFX enable/bypass, Tap/Tempo setting, tuner select, loop recording, and a multi-function Wah/Volume pedal. Each of these functions is described in more detail later on in this manual.

# Connection

The PB-1 comes with a 25-foot Cat5 Ethernet cable (the same cable used to connect a computer to a network). Simply connect the cable between the "PEDAL" jack on the back of the VT12 and the "AMPLIFIER" jack on the back of the PB-1, as shown below. Power is provided to the PB-1 through the cable. No external power or "wall-wart" is required.



# PB-1 Features

Read on to learn more about each of the features that you can control with the PB-1 pedalboard.

## 1. BANK SELECT UP/DOWN

The VT12 has 24 banks of four stored presets, one for each channel. Use these two buttons to scroll up and down through the 24 banks.

**Note:** When you scroll to a different bank, you will notice that the Bank Select number in the display begins blinking. You must select a channel in order to activate the selected bank.

## 2. CHANNEL SELECT

Use these four buttons to select one of the four channels on the VT12: CLEAN, CRUNCH, OVERDRIVE, or LEAD.

## 3. EFX

This button duplicates the function of the EFX button on the VT12, and allows you to turn the selected Effects on and off.

## 4. TAP/TEMPO

The TAP/TEMPO button duplicates the function of the TEMPO button on the VT12. You can tap this button with your foot to set the delay time for any of the selected delay effects. The delay time is set to the time

between the last two taps of the button. The LED above the button blinks in time with the delay time setting.

## 5. TUNER

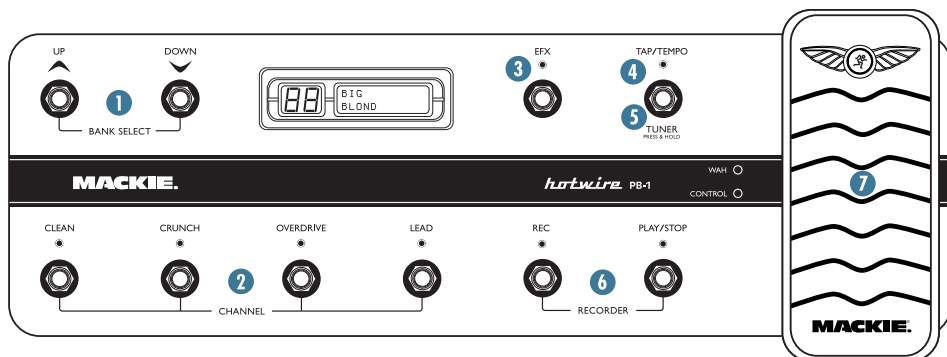
Press and hold the TAP/TEMPO button for one second to activate the onboard chromatic tuner. This duplicates the function of the TUNER button on the VT12. Press and hold the TAP/TEMPO button again for one second to return to normal operation.

## 6. RECORDER

The PB-1 provides a loop recorder function that is not available with the VT12 alone. This allows you to record a background chord progression (rhythm track), and then play it back while you solo over it.

**Note:** The loop recorder function can be enabled and disabled using the TOOLS button on the VT12 (TOOLS > Loop Recorder). It is enabled by default, but you can turn it off to prevent accidentally hitting the PLAY button by mistake and playing back a recorded loop during a song.

Press the REC button to begin recording. The LED above the REC button lights while recording is in progress. You can record up to 10 seconds of music. Press the REC button again at the end of the loop to stop recording and begin playing back the loop. You may



need to practice this a few times to get a seamless loop, but it gets easier once you get the hang of it.

The PLAY/STOP button turns the recorded loop on and off. The LED above the PLAY/STOP button is lit when the loop is playing back.

You can also layer your loops. For example:

1. Hit the RECORD button and record your background rhythm track.
2. Hit the RECORD button again at the end of the progression. The recording stops and the rhythm track loop will begin playing back.
3. Hit the RECORD button again to “punch in” and record a solo riff over the rhythm track while the loop continues to play back.
4. Hit the RECORD button again at the end of the loop to “punch out” and the rhythm track with the solo riff recorded over it will begin playing back.

You can repeat this process again and again, overdubbing more sounds to the loop. Furthermore, you can change presets for each overdub (for example, record the rhythm track with a Clean channel preset and record the solo overdub with an Overdrive or Lead channel preset selected).

## IMPORTANT

- To overdub over an existing loop, the loop must be playing back (PLAY enabled) when you press the RECORD button to begin recording your overdub.
- If the loop playback is stopped (STOP enabled), when you press the RECORD button, any previously recorded loop is immediately erased and the recording of an entirely new loop begins.

## 7. FOOT PEDAL

The foot pedal can be used as a wah pedal or as a controller to adjust the volume, modulation amount, modulation rate, or delay amount.

You can change the mode of the pedal by pressing firmly all the way down on the pedal to activate the mode switch. The LEDs next to the pedal indicate whether the pedal is in WAH mode or CONTROL mode.

In WAH mode, the pedal is used to add the “wah” effect to the sound. You can select the type of wah effect by pressing the TOOLS button on the VT12 and selecting the “Wah Type” option.

Options include:

**None:** No wah and the pedal has no effect on the sound.

**Auto:** The wah effect is automatic and the pedal has no control over the sound. The harder you play, the more wah effect is applied to the sound.

**Standard:** Typical contemporary wah sound, under control of the foot pedal.

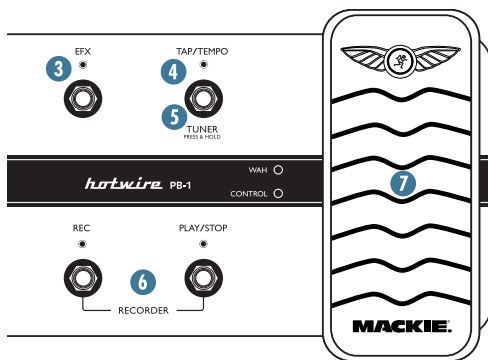
**Classic:** Classic wah sound of the 60s and 70s, under control of the foot pedal.

In CONTROL mode, the pedal can be used for a variety of functions. You can select the function by pressing the TOOLS button on the VT12 and selecting the “Treadle Func” option.

Options include:

**None:** The pedal has no effect on the sound.

**Volume:** The pedal controls the volume of the VT12 (pedal up = volume off, pedal down = full volume).



**Mod Amt:** The pedal controls the amount of the modulation effect that is mixed into the input signal. It duplicates the Modulation control on the VT12.

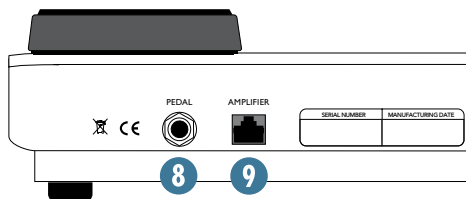
**Delay Amt:** The pedal controls the amount of the delay effect that is mixed into the input signal. It duplicates the Delay control on the VT12.

**Mod Rate:** The pedal controls the rate (in Hertz) for the selected modulation effect.

## 8. PEDAL Jack

The PEDAL jack is a 1/4" TS jack used to connect another volume pedal. Use a standard guitar cord to connect a passive external volume pedal to the PEDAL jack on the PB-1.

When an external volume pedal is connected to this jack, the WAH and CONTROL LEDs next to the foot pedal on the PB-1 both light to indicate that two pedals are connected.



Sweep the external pedal all the way forward and back a few times to allow the PB-1 to self-calibrate for the range of the external pedal.

The PB-1's integrated pedal is assigned to the "wah" function (TOOLS > Wah type), and the passive external pedal is assigned to the "control" function (TOOLS > Treadle Func).

## 9. AMPLIFIER Jack

Use the supplied Cat5 Ethernet cable to connect the AMPLIFIER jack on the PB-1 to the PEDAL jack on the VT12 (see illustration on page 3).

## 10. Power LED

This cool blue LED lights when the PB-1 is connected to the VT12 and the VT12 is powered on.



# PB-1 Specifications

## Connectors

Amplifier:	RJ45
Pedal:	1/4" TS

## Connecting Cable

Cat5 Ethernet cable (straight-through cable, not a crossover cable)

## Physical Dimensions and Weight

Height:	3.3 in/84 mm (including feet)
Width:	21.8 in/554 mm
Depth:	7.0 in/178 mm
Weight:	8.0 lb/3.6 kg

LOUD Technologies Inc. is always striving to improve our products by incorporating new and improved materials, components, and manufacturing methods. Therefore, we reserve the right to change these specifications at any time without notice.

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# PB-1 Limited Warranty

**Please keep your sales receipt in a safe place.**

**A.** LOUD Technologies Inc. warrants all materials, workmanship and proper operation of this product for a period of **one year** from the original date of purchase. You may purchase an additional 24-month Extended Warranty (for a total of 36 months of coverage). Visit our website and follow the "Product Registration" links for details ([www.mackie.com](http://www.mackie.com)). If any defects are found in the materials or workmanship or if the product fails to function properly during the applicable warranty period, LOUD Technologies, at its option, will repair or replace the product. **This warranty applies only to equipment sold and delivered within the U.S. and Canada by LOUD Technologies Inc. or its authorized dealers.**

**B.** For faster processing, register online at [www.mackie.com](http://www.mackie.com), or you may fill out and mail in the product registration card included along with this manual.

**C.** Unauthorized service, repairs, or modification of Mackie products will void this warranty. To obtain repairs or replacement under warranty, you must have a copy of your sales receipt from the authorized Mackie dealer where you purchased the product. It is necessary to establish purchase date and determine whether your Mackie product is within the warranty period.

**D.** To obtain warranty repair or replacement:

1. Call Mackie Technical Support at 800/898-3211, 7 AM to 5 PM Monday through Friday (Pacific Time) to get authorization for repair or replacement. Alternately, go to the Mackie website, click "Support" ([www.mackie.com/support](http://www.mackie.com/support)), and follow the instructions for reporting a warranty issue and submitting a request for an advance replacement.

2. **Advance Replacement:** Mackie will ship a replacement unit to you along with an invoice for the suggested retail price of the replacement unit. You must return the defective unit immediately to cancel the invoice. If you do not return the defective unit within 30 days, you must pay the full amount stated in the invoice to satisfy your debt.

3. **Repair:** When you call Mackie Technical Support, explain the problem and obtain a Service Request Number. Have your Mackie product's serial number ready. You must have a Service Request Number before you can obtain factory-authorized service.

- Pack the product in its original shipping carton. Also include a note explaining exactly how to duplicate the problem, a copy of the sales receipt with price and date showing, your daytime phone number and return street address (no P.O. boxes or route numbers, please!),

and the Service Request Number. If we cannot duplicate the problem or establish the starting date of your Limited Warranty, we may, at our option, charge for service time and parts.

- Ship the product in its original shipping carton, **freight prepaid** to the authorized service center. Write the Service Request Number in BIG PRINT on top of the box. The address of your closest authorized service center will be given to you by Technical Support, or it may be obtained from our website. Once it's repaired, the authorized service center will ship it back by ground shipping, pre-paid (if it qualified as a warranty repair).

**Note:** Under the terms of the warranty, you must ship or drop-off the unit to an authorized service center. The return ground shipment is covered for those units deemed by us to be under warranty.

**Note:** You must have a sales receipt from an authorized Mackie dealer for your unit to be considered for warranty repair.

**IMPORTANT:** Make sure that the Service Request Number is plainly written on the shipping carton. **No receipt, no warranty service.**

**E.** LOUD Technologies reserves the right to inspect any products that may be the subject of any warranty claims before repair or replacement is carried out. LOUD Technologies may, at our option, require proof of the original date of purchase in the form of a dated copy of the original dealer's invoice or sales receipt. Final determination of warranty coverage lies solely with LOUD Technologies.

**F.** Any products returned to one of the LOUD Technologies factory-authorized service centers, and deemed eligible for repair or replacement under the terms of this warranty will be repaired or replaced. LOUD Technologies and its authorized service centers may use refurbished parts for repair or replacement of any product. Products returned to LOUD Technologies that do not meet the terms of this Warranty will not be repaired unless payment is received for labor, materials, return freight, and insurance. Products repaired under warranty will be returned freight prepaid by LOUD Technologies to any location within the boundaries of the USA or Canada.

**G.** LOUD Technologies warrants all repairs performed for 90 days or for the remainder of the warranty period. This warranty does not extend to damage resulting from improper installation, misuse, neglect or abuse, or to exterior appearance. This warranty is recognized only if the inspection seals and serial number on the unit have not been defaced or removed.

*(continued on next page)*

**H.** LOUD Technologies assumes no responsibility for the timeliness of repairs performed by an authorized service center.

**I.** This warranty is extended to the original purchaser. This warranty may be transferred to anyone who may subsequently purchase this product within the applicable warranty period for a nominal fee (extended warranties are not transferable). A copy of the original sales receipt is required to obtain warranty repairs or replacement.

**J.** This is your sole warranty. LOUD Technologies does not authorize any third party, including any dealer or sales representative, to assume any liability on behalf of LOUD Technologies or to make any warranty for LOUD Technologies Inc.

**K.** THE WARRANTY GIVEN ON THIS PAGE IS THE SOLE WARRANTY GIVEN BY LOUD TECHNOLOGIES INC. AND IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS AND IMPLIED, INCLUDING THE WARRANTIES

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## Service

For warranty repair or replacement, refer to the warranty information on page 7.

Non-warranty repair for Mackie products is available at a factory-authorized service center. To locate your nearest service center, visit [www.mackie.com](http://www.mackie.com), click "Support" and select "Locate a Service Center." Service for Mackie products living outside the United States can be obtained through local dealers or distributors.

If you do not have access to our website, you can call our Tech Support department at 1-800-898-3211, Monday-Friday, 7 am to 5 pm Pacific Time, to explain the problem. Tech Support will tell you where the nearest factory-authorized service center is located in your area.



**Correct disposal of this product.** This symbol indicates that this product should not be disposed of with your household waste, according to the WEEE Directive (2002/96/EC) and your national law. This product should be handed over to an authorized collection site for recycling waste electrical and electronic equipment (EEE). Improper handling of this type of waste could have a possible negative impact on the environment and human health due to potentially hazardous substances that are generally associated with EEE. At the same time, your cooperation in the correct disposal of this product will contribute to the effective usage of natural resources. For more information about where you can drop off your waste equipment for recycling, please contact your local city office, waste authority, or your household waste disposal service.

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