



# Relay™ G50/G90 Bodypack

## **Pilot's Handbook**

**Manuel de pilotage**

**Pilotenhandbuch**

**Pilotenhandboek**

**Manual del Piloto**

**取扱説明書**

**See [www.line6.com/manuals](http://www.line6.com/manuals) for Advance Guide**

## Important Safety Instructions



**CAUTION**  
**RISK OF ELECTRIC SHOCK DO NOT OPEN**



**WARNING** : TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT REMOVE SCREWS. NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

**WARNING** : TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THE APPLIANCE TO RAIN OR MOISTURE.

### CERTIFICATION

THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES. OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDITIONS: (1) THIS DEVICE MAY NOT CAUSE HARMFUL INTERFERENCE, AND (2) THIS DEVICE MUST ACCEPT ANY INTERFERENCE RECEIVED, INCLUDING INTERFERENCE THAT MAY CAUSE UNDESIRE OPERATION.

**Warning:** Changes or modifications not expressly approved in writing by Line 6 may void the users authority to operate this equipment.

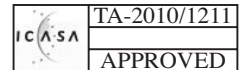
**RF Exposure Statement:** This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.

**Note:** This equipment 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 residential installation. 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. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numerique de la classe B est conforme a la norme NMB-003 du Canada.





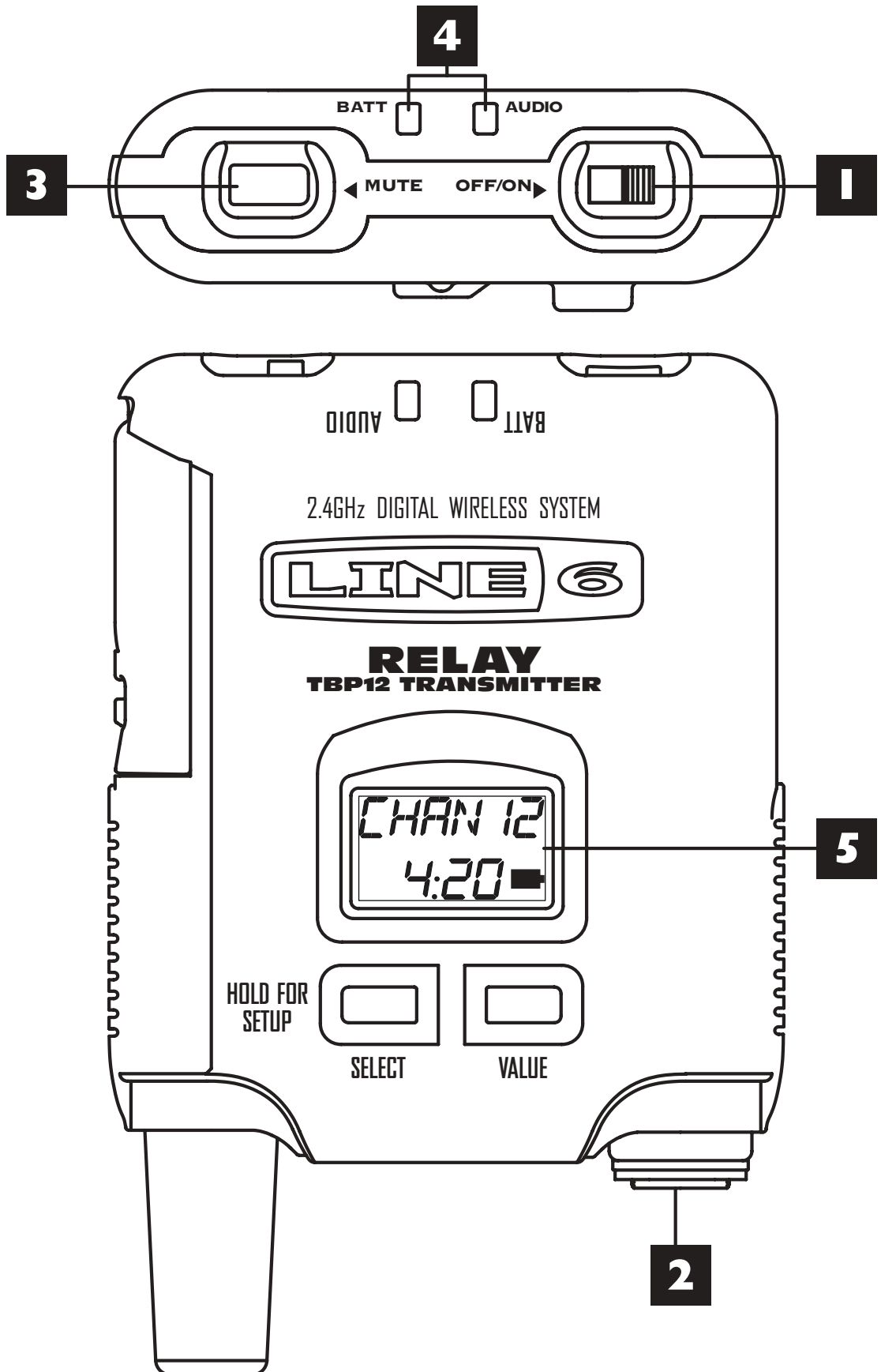
**You should read these Important Safety Instructions. Keep these instructions in a safe place**



Before using your TBP12, carefully read the applicable items of these operating instructions and the safety suggestions.

1. Obey all warnings in the TBP12 manual.
2. Do not perform service operations beyond those described in the TBP12 manual. Service is required when the apparatus has been damaged in any way, such as:
  - liquid has been spilled or objects have fallen into the apparatus
  - the unit has been exposed to rain or moisture
  - the unit does not operate normally or changes in performance in a significant way
  - the unit is dropped or the enclosure is damaged.
3. Do not place near heat sources, such as radiators, heat registers, or appliances which produce heat.
4. Guard against objects or liquids entering the device. Do not use or place unit near water.
5. Do not step on cords. Do not place items on top of cords so that they are pinched or leaned on. Pay particular attention to the cord at the plug end and the point where it connects to the device.
6. Always switch transmitter off when not in use for extended periods of time for extended battery life.
7. Clean only with a damp cloth.
8. Only use attachments/accessories specified by the manufacturer.
9. Prolonged listening at high volume levels may cause irreparable hearing loss and/or damage. Always be sure to practice “safe listening.”

# BASIC OPERATION



1. **ON/OFF Switch** - Slide the switch to turn the transmitter on or off.
2. **Input** - Connect your instrument here.
3. **Mute** - Press to mute/unmute audio signal.
4. **Battery LED** - Blue LED = full, solid red LED = Low, Flashing red LED = Very Low / Change batteries.

**Audio LED** - Green LED = Audio Signal

5. **LCD Display** - Whenever a button is first pushed, the **LCD** backlight will awaken by glowing. In Main Mode your display will appear similar to the illustration below.

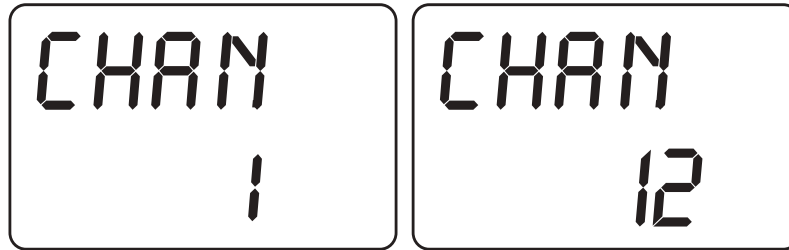


**CHAN 1** through **CHAN 14** will be displayed at the top depending on the current channel your TBP12 is set to transmit on. The **MUTE** icon is only visible when the transmitter is muted. **POWER SAVE** is lit only if the RF power mode is set to **LO**. The **LOCK** icon is lit only if the transmitter is set to lockout mode. When locked, the power cannot be turned off and editing is not allowed. The numeric clock at the bottom of **LCD** displays the amount of remaining operation time of batteries at current power level in hours and minutes. It updates in 20 minute increments. **NOTE:** The battery data may be invalid for the first few minutes of operation. The **BATTERY** icon is lit solid when battery life is 1 hour or more. It flashes on and off when battery life is less than one hour.

**IMPORTANT:** 1-12 channels are available when connecting to a Relay G50 receiver. For the purpose of this guide we will always refer to Channels 1-14 featured in the Relay™ G90 systems.

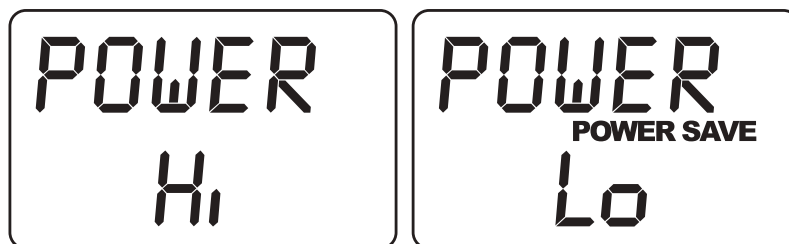
# LCD SETUP PAGES

## Setup Page 1 - Channel Select



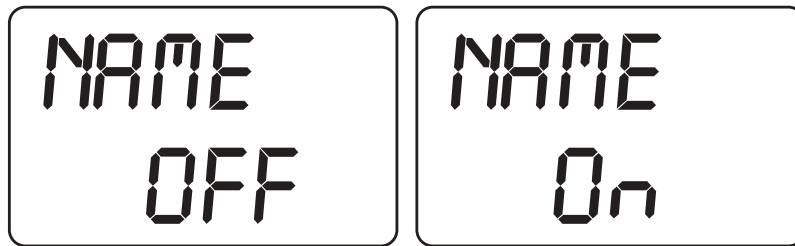
In order for your TBP12 to transmit properly to your receiver both devices must be set to the same channel. To change the channel your TBP12 is transmitting on, Hold **SELECT** for 2 seconds to enter setup page 1. Press **VALUE** briefly to increment from **CHANNEL 1 - 14**. The current channel number is displayed as 1 to 14 on the right side of the numeric display. The actual change of transmission channel will not occur until returning to the main page, by holding the **SELECT** button for 2 seconds (to exit Setup mode), or not pressing any button for 15 seconds (Setup page timeout).

## Setup Page 2 - Power Select



TBP12 can run in two power modes, **Hi** (maximum performance) or **Lo** (extended battery life). **Hi** is best for maximum range or hostile RF environments. Use **Lo** for longer battery life or situations where you want to help confine the signal range. From the setup page 1, press **SELECT** once to access setup page 2. Press **VALUE** to toggle between **Hi** and **Lo** power mode. The factory default is set to **Hi**.

## Setup Page 3 - Name Select



From the setup page 2, press **SELECT** once to access setup page 4. Press **VALUE** briefly to switch between name display being **On** or **OFF**, as displayed on the right most digits of the numeric display. This parameter determines if the Main page will show the channel number (**NAME OFF**), or a custom name (**NAME on**). The default setting is **OFF**.

## Setup Page 4 - Set Name

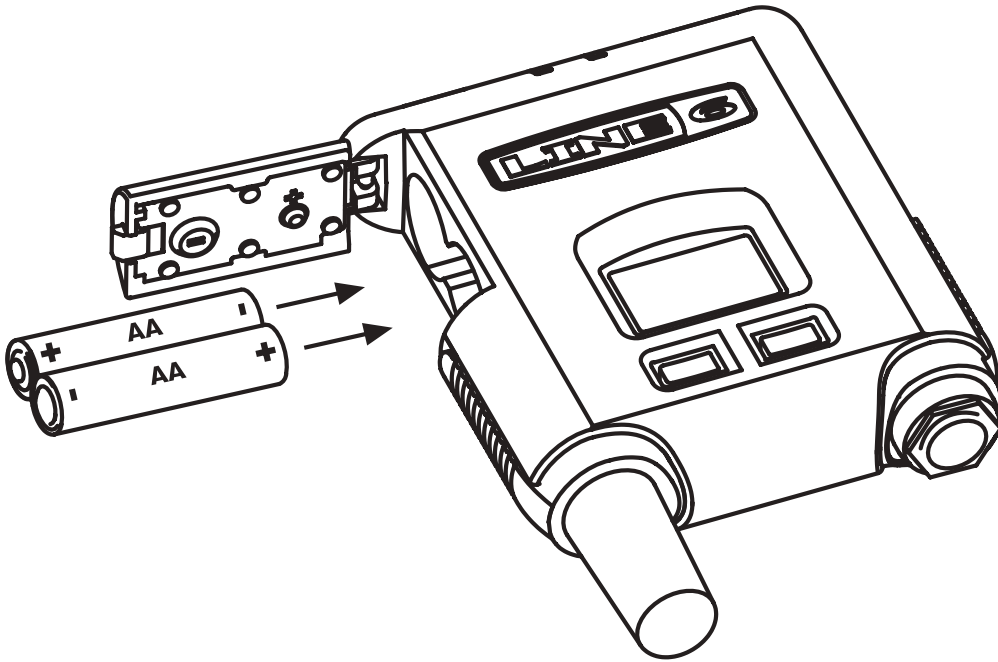


When Setup Page 3 is set to **NAME On** your LCD main page will read TBP12. You can customize this with any name up to 6 characters (alphabetical, numerical, space or dash).

Setup Page 4 only appears if Name is set **On**. From the setup page 3, press **SELECT** once to access setup page 4. If Name is **Off**, then pressing **SELECT** from the setup page 4 returns the display to Main mode.

Press the **VALUE** button to increment through the characters for the current flashing digit. Press **SELECT** to increment to the next of 6 available digit spaces. Continue through these steps until you've customized your TBP12 name. Pressing the **SELECT** button when the last digit is selected returns the display to main page.

## Battery Installation / Removal



Open the side door to access the battery compartment. The inside of the battery compartment door indicates the correct battery direction.

### Lockout Mode

TBP12 comes from the factory unlocked. This allows you to make any necessary adjustments for your initial setup.

Once you've completed saving your settings, press and hold both **VALUE** and **SELECT** simultaneously for 2 seconds. This will enter the unit into lockout mode and prevent the front panel controls from being able to mute, change any settings or shut the TBP12 off accidentally. The LCD will now show the **LOCK** icon in the lower left corner. If either the **POWER** or **SETUP** buttons are pressed while in **LOCK** mode the LCD will flash **LOCKED** across the screen.

To turn the TBP12 off when it is in lockout mode, press and hold both **VALUE** and **SELECT** simultaneously for 2 seconds. Once unlocked, press and hold the **POWER** button for 2 seconds.



# TROUBLESHOOTING

Issue	Cause	See Solution...
No sound	System not turned on, Source malfunction, Improper channel selection Expired battery	Power. Signal Source (ensure the receiver indicates the TBP12 is in use), Cables or RF
Intermittent sound or distorted sound	Source malfunction, Improper connection, Multiple transmitters are set to the same operating channel, Transmitter has gone out of range, Transmitting through metal wall, Unknown source of RF in local area Lockout Mode set to unlock allowing channels to get changed which creates momentary signal mutes in the receiver	Signal Source (ensure the receiver indicates the TBP12 is in use), Cables or RF, Lock switch
Lack of range	Improper or lack of antenna connection, Multiple transmitters are set to the same operating channel, Microphone Power setting set to "Lo", Unknown RF in local area	RF, Set Transmitter Power setting to "Hi", Reposition antennas

## Power

Make certain that TPB12 and receiver are receiving sufficient power. Check the battery status indicator on the transmitter and replace if necessary. The battery life indicator is calibrated for Alkaline batteries but you can use any AA type, battery life may vary.

## Cables

Make certain that all connections and cables are in working order.

## Switching between RF1 and RF2 Mode

The TBP12 with V2 or later firmware utilizes our latest digital wireless transmission method, and is fully channel compatible with Relay G30, Relay G50, Relay G90, XD-V35, XD-V55 and XD-V75 models that have Version 2 software running RF2 mode. Multiple units of any of these models can be used together within the same location as long as each is on a unique channel and no more than 14 are used simultaneously.

Updated Relay G50 and G90 receivers can also automatically receive transmissions from the previous generation of Line 6 wireless products, which include the XD-V30, XD-V70, and Relay™ G30, Relay™ G50, and Relay™ G90 models with pre-version 2 firmware, now referred to as

RF1 mode. However, it is not recommended to mix usage of the RF1 and RF2 modes within the same location due to the channel frequencies in each system not being compatible.

If a TBP12 Transmitter with V2 or later firmware is being added to a setup that already includes any devices running in RF1 mode, the V2 transmitters can be setup to operate in RF1 mode if it is necessary to use the transmitters with older Line 6 receivers. To set the TBP12 transmitters into the RF1 mode, enter Setup mode to display the current channel, then while holding down the **SELECT** button press and release the **ON/MUTE** button on the THH12 or **VALUE** button on the TBP12. The display will briefly show (**RF1**) or (**RF2**) to indicate whether it is operating in the old or new mode, respectively. This setting is retained when powering off, so as a reminder the display will also show this indication (**RF1** or **RF2**) each time power is turned on.