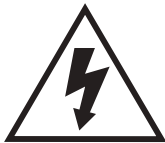




RELAY™ TB516G

PILOT'S 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.

Radio Approvals: FCC Part 15.27, FCC Part 15 B, RSS-210 (Canada), RSS-310 (Canada), EN 300 400 (Europe), EN 301.489 (Europe), Japan Radio 2.4GHz Band (Japan), VCCI Digital Device Class B (Japan), CISPR 22 (Australia and New Zealand).

Certified under FCC Part 15.

FCC ID: UOBTB516

The CE declaration of Conformity can be obtained at <http://line6.com/compliance/>

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.

Important Safety Instructions

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 Relay™ TB516G Digital Wireless Transmitter, carefully read the applicable items of these operating instructions and the safety suggestions.

1. Obey all warnings in the Relay TB516G manual.
2. Do not perform service operations beyond those described in the Relay TB516G 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. Clean only with a damp cloth.
7. Only use attachments/accessories specified by the manufacturer.
8. Prolonged listening at high volume levels may cause irreparable hearing loss and/or damage. Always be sure to practice “safe listening.”

Product Overview

- For use with Line 6 Relay G70 or G75 systems
- Best in class sound quality provided by:
 - 24 bit / 48kHz uncompressed digital transmission
 - Best in class DAC and ADC provide super low noise transmission (better than 120dB dynamic range)
 - Breakthrough low latency (< 1.5ms from analog input to analog output) nearly instant response between your fingers and your ears
- Advanced wireless technology: Line 6 has been providing guitarists with the most advanced digital wireless systems for years, culminating with this 5th generation design
- 1/4" Locking jack input on bodypack - uses the locking plug provided or any 1/4" guitar plug you like
- Use alkaline (provided) or rechargeable AA batteries (available separately)
- Rugged metal construction
- Advanced users guide can be downloaded from <http://line6.com/support/manuals/>

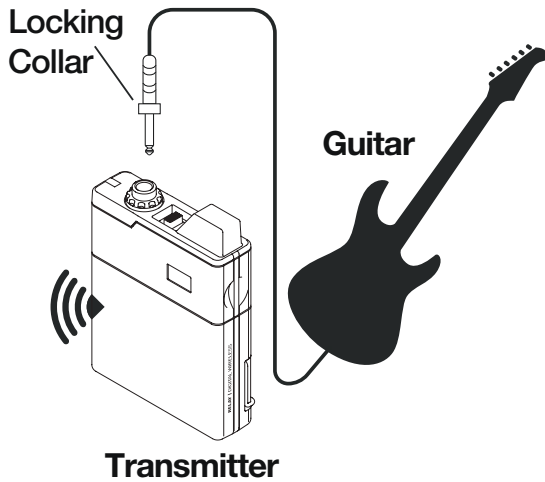
What's in the box:

- Relay TB516G Guitar Transmitter
- 24" Guitar cable 1/4" to 1/4" Straight TS with collar lock
- Pack of 6 color coded transmitter ID hex nuts (green, blue, orange, purple, aqua, white: 1 each)
- 2 AA Batteries
- Quick Start Manual, Warranty and End User License Agreement

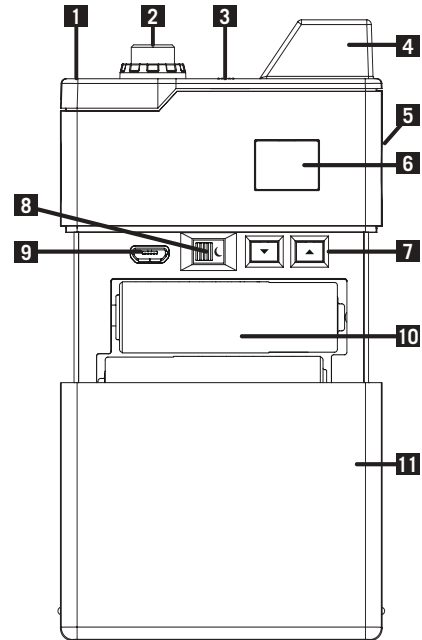
Suggested accessories:

- Additional Relay TB516G guitar transmitter for each guitar used
- Right angle guitar cable with locking plug
- Replacement or spare straight guitar cable with locking plug
- Replacement transmitter ID hex nuts

Quickstart Hook Up Diagram



Transmitter Details

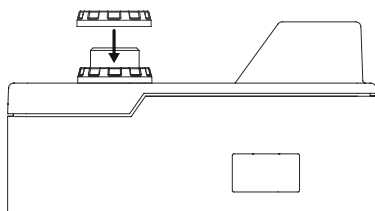


1. **Battery Status** – This LED illuminates green when the transmitter is powered on, and > 1 hour of battery operation time remains. Flashes yellow when < 1 hour, and flashes red when less than 30 minutes of battery operation time remain.

Note: Battery operation time is calibrated for 2x AA Alkaline batteries - actual times may vary when using non-alkaline batteries.

2. **Guitar Input** – Plug the included guitar cable here. To lock the cable, simply plug in the end with the locking collar and gently twist the collar so it threads onto the exposed thread of the transmitter's input jack, DO NOT OVERTIGHTEN. To unlock, spin the collar counter-clockwise and pull the plug out.

Note: You can use regular 1/4" guitar cables as well.



Remove the existing black nut and replace it with one of the included 5 colored marker nuts

3. **Power On/Off** – Turns power on when working batteries are installed. The transmitter will automatically sync with the receiver in about 1 second.

4. **Antenna** – The calibrated internal antenna avoids damage or deformity in normal use. Avoid covering the antenna with metallic fabrics or accessories, and avoid direct contact with parts of the performer's body for best results.

5. **Battery Door Release** – Press on both sides of the transmitter at the same time to open the battery door. See #11 below for more details.

6. **Channel Display** – Channel 1-16 is indicated after pressing either Channel Select button (7).

7. **Channel Select** – Press the Up or Down button next to the channel display once to light the channel number indicator. Press either Up or Down to change the channel. The channel number will flash 2 seconds after the channel is selected indicating the channel change has been executed.

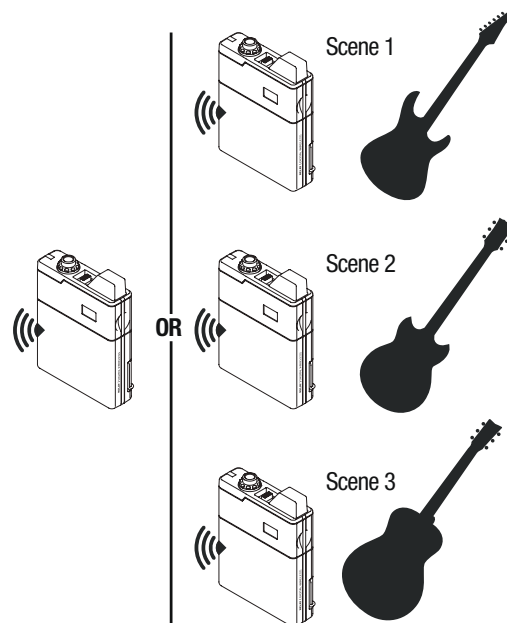
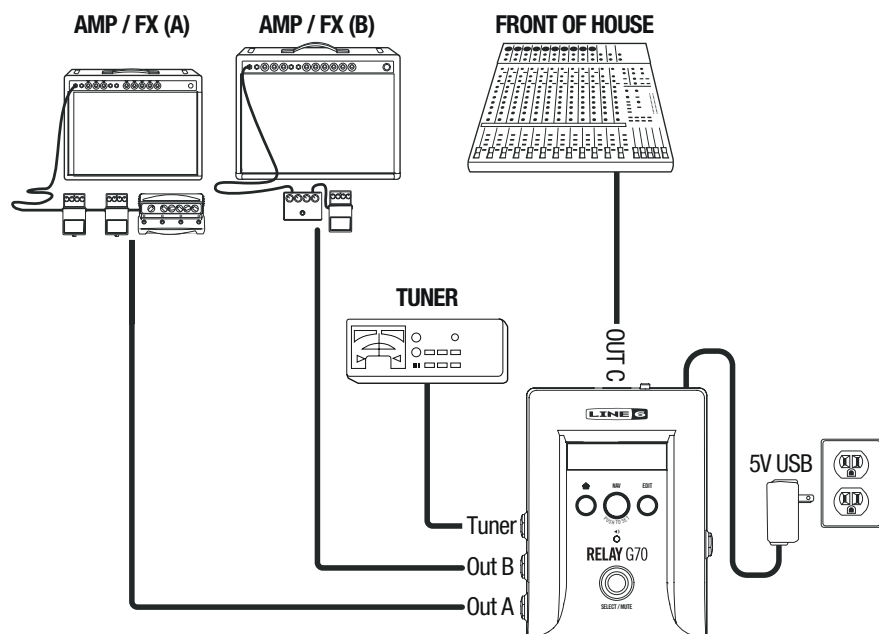
Note: The transmitted channel does not change while selecting the Up and Down buttons in order to avoid conflicting with other active transmitters.

8. **Auto-Sleep Switch** – Place the switch in the ☾ position to enable this feature. If enabled the transmitter will automatically go into standby/sleep mode after two minutes without any movement or audio detected. With this feature on you can turn down your volume knob and place your guitar in a stand during set breaks and minimize your battery drain without having to turn the transmitter off.
9. **Micro USB** – USB connectivity used for firmware updates should they be needed in the future. Visit <http://line6.com/software/>
10. **Battery Compartment** – Requires two AA batteries for proper operation.
11. **Battery Door** – Slides open in 2 stops: 1st stop allows access to the channel selection buttons and sleep switch, the 2nd stop provides full access to removable batteries.

SYSTEM SPECIFICATIONS	
Output Power	10mW
System Latency	< 1.5ms
Frequency Response	10-20kHz, ±1dB
THD + Noise	< 0.05% (1kHz @ -10dBFS)
Dynamic Range	>120 dB A weighted
Operating Band	2.4 GHz ISM Worldwide
Operating Temperature	-10°C to 50°C

Advanced users guide can be downloaded from
<http://line6.com/support/manuals/>

G70 Detailed Hook Up - 2 Signal Chains plus Direct to PA



IC- 6768A-TB516

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