

Ibanez

WS1

GUITAR WIRELESS SYSTEM
for Guitars and Basses

OWNER'S MANUAL

Safety Precautions	3
Transmitter	5
Receiver	5
Part names and uses	6
Specifications	10



ENGLISH

Before using this device, be sure to read this manual thoroughly for safe use of it. After that, keep this manual in a safe place and read it whenever necessary.

Safety Precautions == Be sure to observe the following precautions ==

In order to use this device properly, the contents to be observed are explained, classified as follows.


- The severities of the injury and damage due to incorrect usage by ignoring the written contents are explained by the following classified indications.

 Warning	Indicates a potentially hazardous situation which, if not avoided, will result in death or serious injury.
 Cautions	Indicates a potentially hazardous situation which, if not avoided, will result in injury or property damage.

- The contents to be observed are explained, being classified by the following pictograms.

 ...This pictogram shows a compulsory action, something that you must do.

 ...This pictogram shows a prohibition, something that you must not do.

 ...This pictogram shows a notice, something that you need to be alerted to.

Warnings



Never disassemble or modify the device



Do not operate with wet hands.

<<A short circuit or an electric shock may occur.>>

Cautions



Avoid water, moisture, dust and high temperature

- Do not store or use the device in places such as a bath or outdoors where water splashes. Also do not use it in places of high humidity, places with a lot of dust, or at high temperatures.

<<A fire, an electric shock or a failure may occur.>>



Do not store in places of excessive vibrations

<<It may cause a failure.>>



Do not apply excess force, drop nor give strong physical impact

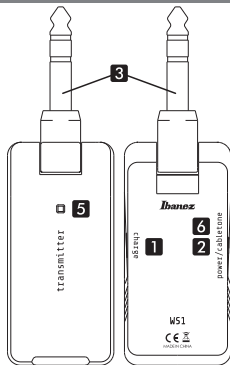
<<A failure or injury may occur.>>



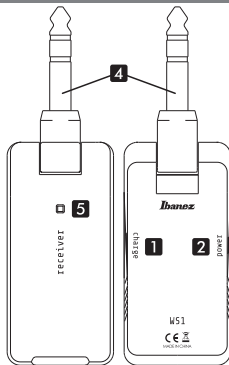
Do not use thinner, alcohol, and the like for cleaning

<<It may cause a failure.>>

Transmitter



Receiver

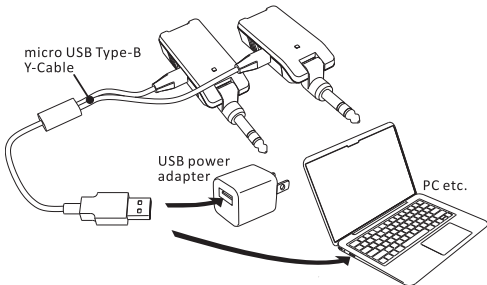


Part names and uses

1 Charging inlet (micro USB Type-B)

You can charge the wireless units by using a micro USB Type-B Y-cable (included) with your own USB power adapter.

NOTE: While charging, the LED **5** lights red and WS1 doesn't work as a wireless system. When it's fully charged, the LED **5** turns off.



2 Power button

Press and hold this button to turn on the transmitter and receiver. Before they get paired automatically, the LED **5** blinks/ flashes and indicates the remaining battery level as followings.

- Green: 100%-75%
- Yellow: 75%-50%
- Red: 50%-25%
- Red flashes 10 times: less than 25%.

The power turns off automatically to protect battery life. After 2 seconds, they will be paired automatically and both of the LEDs **5** lights green.

The WS1 will choose the best wireless channel automatically in 2.4 GHz frequency band. If the receiver can't detect a signal coming from the transmitter, the receiver's LED **5** will blink red.

3 Transmitter plug (1/4")

Connect the transmitter to the output of your guitar.

4 Receiver plug (1/4")

Connect the receiver to the input of your amp or pedal. Before plugging-in, we recommend you turn off the power of your amp to avoid any possible damage to the amp.

5 LED indicator

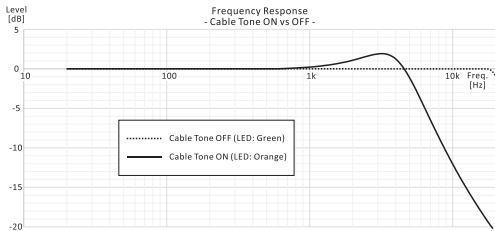
Shows the current status of the wireless units.

6 Cable tone

You can switch the cable tone mode on and off by clicking the power button **2** on the transmitter.

The WS1 has a cable tone filter function which simulates a 3 m (10 ft.) high grade guitar cable connecting to a passive guitar. By clicking the power button **2**, the cable tone filter is engaged and LED **5** lights orange. This mode will deliver a more natural electric guitar tone.

When the cable tone mode is off, LED **5** lights green. It is default setting which doesn't have any specific tone filter but flat frequency response. (Refer to the figure below)



- **Automatic power off**

The WS1 transmitter will turn off automatically if it doesn't detect any input signal for 10 minutes. The receiver will turn off automatically at 10 minutes after the transmitter turns off.

- **ID matching**

The WS1 transmitter and receiver have already assigned unique matched ID at the factory. If you want an another WS1 transmitter or receiver to get paired, follow the following steps to reset ID matching.

- (1) Turn off all the WS1 transmitter and receiver around you.
- (2) Press and hold the power button **2** of the transmitter and receiver you want to pair for more than 5 seconds.
- (3) While you press and hold, the receiver LED **5** will blink red. When the ID matching finishes, the receiver LED **5** will blink and light green. (Press and hold till the ID matching has been done.)

Specifications

Operating Frequency	2.4GHz
Audio Quality	24-bit/44.1kHz
Signal Transmission Latency	< 5ms
Line-of-sight Range	Up to 30m / 100ft
Frequencies Response	20Hz - 20kHz
THD + Noise	< 0.05% @ 1kHz, -10dBFS
Battery	Built-in Li-ion rechargeable battery
Battery Capacity	3.7V/500mAh
Battery Life (Continuous Use)	4 hours (max. approx)
Dimensions	110(L)×32(W)×25(H) mm 0.40(L)×1.26(W)×1.00(H) in.
Weight	Transmitter: 36g / 0.08lbs Receiver: 36g / 0.08lbs

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 undesired operation.

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 instruction, 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 determine by turning the equipment off and on, the user is encouraged to try to correct the interference by one of 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.

To maintain compliance with FCC's FR Exposure guidelines, this equipment should be installed and operated with minimum distance between 20cm the radiator your body: Use only the supplied antenna.

Simplified EU Declaration of Conformity

Hereby, Hoshino Gakki Co., Ltd. declares that the radio equipment type WS1 is in compliance with Directive 2014/53/EU. The full text of EU declaration of conformity is available at the following internet address:

<http://www.hoshinogakki.co.jp/pdf/ibanez/declaration/en/WS1.pdf>



HOSHINO GAKKI CO., LTD.

No.22, 3-Chome, Shumoku-Cho,
Higashi-Ku, Nagoya, Aichi, JAPAN



© HOSHINO GAKKI CO., LTD.
MAY211010