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ANLEON B1

Guitar Wireless System

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V1.2.0

B1 Guitar Wireless System – Introduction

Thank you for buying the ANLEON B1 Guitar Wireless System.

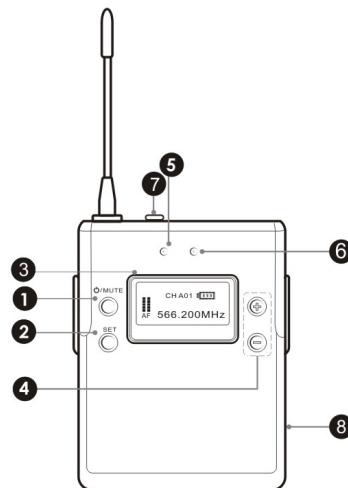
The B1 Instrument set is the simplest way to go wireless for guitarists, bassists and other instrumentalists. Body-pack transmitter provides a professional guitar cable, allowing guitars, basses or other instruments to be connected to a B1 Bodypack transmitter. It can be used in several environments for live stage, theater, band applications, and more.

Note: B1 “518-554MHz” Band receivers must be used only with “518-554MHz” Band transmitters; the same holds true for B1 “566-608MHz”, “626-662MHz” and “830-866MHz” Band receivers and transmitters. For multiple-channel applications, as many as 12 systems may be used together per frequency band.

System Features

- High-True Diversity reception with two independent RF sections for greatest reliability.
- Up to 12 simultaneous systems per frequency band.
- Interference-resistant UHF band operation.
- 15 hour battery life with two standard AA-size alkaline batteries . Up to 12 compatible channels.
- Headphone monitor on Receiver.
- Max. 1680 transmitting/receiving frequencies, adjustable in 25 KHz steps.
- Balanced and unbalanced audio output jacks.
- Supreme audio quality provides best sound for guitar, electric bass and highly demanding vocals.
- Transmission Range up to 100 meters.

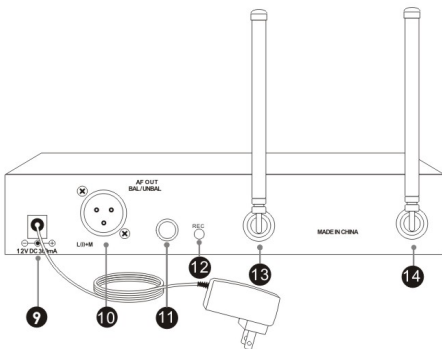
B1 Transmitter Controls



- 1 ON/OFF button** with MUTE function.
- 2 SET button.** Use with the + or - buttons to step through menus, choose operating frequency and select transmitter function options.
- 3 Receiver Display section**
Displays battery level, channel, sensitivity.
Press the Set button on the transmitter, Use the + or – button to select the desired Channel number, Sensitivity, Pilot Tone, Tune.
- 4 + or – button.** Selects values shown on the display.
- 5 Battery indicator.** Green indicates functioning battery; low battery is red.
- 6 AF indicator.** Green LED for RF signal indication, Red lights up if the audio level is too high.
- 7 3.5 mm jack socket,** Connects to a Guitar cable or microphone.
- 8 Battery compartment.**

B1 Receiver Controls

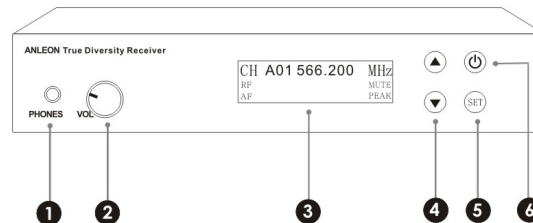
rear panel



- 9 **DC input.** Plug the included power supply in here, 12–16V DC.
- 10 **XLR-3 socket for audio output,** balanced (AF OUT BAL), To connect an XLR cable, Connect the audio output to an mixer.
- 11 6.35 mm (1/4") instrument level output jack, AF OUT UNBAL, Connect to amplifiers.
- 12 **3.5 mm jack socket,** Connect to recorders (phone ,camera).
- 13 **Antenna output (ANT I).** BNC socket.
- 14 **Antenna output (ANT II).** BNC socket.

B1 Receiver Controls

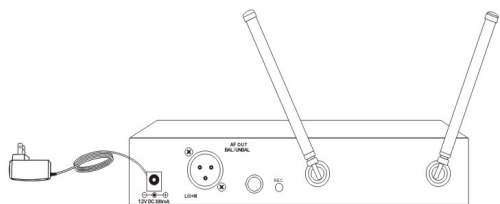
front panel



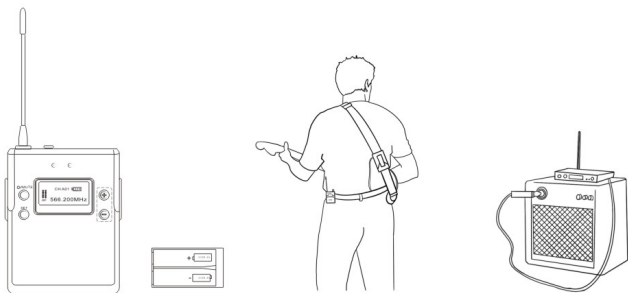
- 1 **Headphone output(PHONES).** 3.5mm jack socket.
- 2 **Headphone volume control(VOL).** Adjusts level of monitor headphones.
- 3 **Graphic display**
Liquid crystal display. Indicates control settings and operational readings. It is also used with the Set and Up/Down arrow buttons to change user-configurable functions(Channel, AF Out, Rec Out , Tune, Pilot Tone, Reset).
- 4 **UP/DOWN button**
Use with the Set button to step through menus, select operating frequency and edit Receiver function choices.
- 5 **Set button**
Use with the Up/Down arrow buttons to step through menus, choose operating frequency and select Receiver function options .
- 6 **Power switch.** Depress once to turn on. Depress again to turn off.

Quick-start guide

1. Connect power supply to the receiver and plug cord into an AC power source. Connect the audio output to an amplifier or mixer.



2. Install AA batteries.

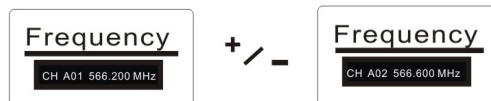


3. Turn on the transmitter and receiver.
4. On the transmitter, set the channel to match the receiver.
5. Connect Guitar or microphone to the 3.5 jack of the transmitter.
6. Check the audio and adjust the gain if necessary.

How to make setting changes on the B1 Transmitter

How to select a frequency

On the home screen, press the SET button until the Frequency menu item appears in the selection frame, Press the + or - button, Adjust the settings as desired.



Press the SET button to save your selection.

Sensitivity menu item

Adjusting the input sensitivity – AF audio level
Setting range: 0 dB to –60 dB in 3 dB steps



Press the SET button to save your selection.

Recommended presets:

- Loud music/vocals: –30 to –21 dB
- Instrument input:
 - Electric guitar with single-coil pickup: –30 to –21 dB
 - Electric guitar with Humbucker pickups: –45 to –30 dB
 - Guitars with active electronics (active pickups, active EQs, Piezo pickups) –45 to –30 dB

How to make setting changes on the B1 Transmitter

Tune menu item

On the home screen, press the **SET** button, in the selection frame, Press the **+** or **-** button until the Tune menu item appears.



- Configure the desired frequency.
- Press the SET button, your settings will be saved.

Pilot Tone menu item

Activating/deactivating pilot tone transmission.



- The pilot tone has an inaudible frequency that is sent from the transmitter and evaluated by the receiver. It supports the receiver's squelch function.

Reset menu item

Resetting the bodypack transmitter.



How to make setting changes on the B1 Receiver

How to select a frequency

On the home screen, press the SET button until the Frequency menu item appears in the selection frame, Use the **▲** / **▼** button to select the desired channel number.



AF Out menu

In the AF Out menu item, you can set the audio level that is output via the receiver audio outputs.

Setting range:

- - 24 dB to +24 dB in 3 dB steps

On the home screen, press the SET button, Press the **▲** / **▼** button, until the **AF Out** menu item appears in the selection frame, Adjust the settings as desired.



- Press the SET button, your settings will be saved.

Pilot Tone menu item

Activating/deactivating pilot tone receiver.



How to make setting changes on the B1 Receiver

Rec Out menu

On the home screen, press the SET button ,press the ▲ or ▼ button, until the **Rec Out** menu item appears in the selection frame,Adjust the settings as desired.

In the Rec Out menu item, you can set the audio level that is output via the receiver Rec outputs.

Setting range:

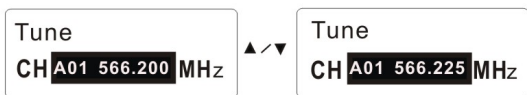
- - 24 dB to +18 dB in 6 dB steps



- Press the SET button,your settings will be saved.

Tune menu item

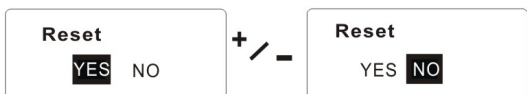
On the home screen, press the SET button,in the selection frame, press the ▲ or ▼ button until the Tune menu item appears.



- Configure the desired frequency.
- Press the SET button,your settings will be saved.

Reset menu item

Resetting the bodypack transmitter.



Specifications

Frequency ranges:470-507MHz /518-554MHz / 566-608MHz / 626-662MHz / 830-866MHz

Max 1680 receiving frequencies,adjustable in 25 KHz steps

Transmitter Power Supply: DC 12V/300mA

Pilot tone squelch : Can be switched off

Receiver operating time: up to 12 hours, 2 x 1.5V AA (not included)

Operating Range: 100m(environment dependent)

RF Output Power: <10mW

Signal-to-noise ratio(1mv,peak deviation) \geq 115 dBA

Total harmonic distortion (THD) \leq 0.9 %

Adjacent channel rejection Typically \geq 65 dB

Frequency Response: Microphone: 80 – 18,000 Hz

Line: 25 – 18,000 Hz

Product Content

B1 Transmitter

B1 Receiver

AC adapter

3.5mm to 6.3mm Guitar Cable

3.5mm to 6.3mm Guitar Cable Pin assignment

