

VGW1

VHF Guitar Wireless System

Item ref: 171.848UK

User Manual



Version 1.3



Caution: Please read this manual carefully before operating
Damage caused by misuse is not covered by the warranty

Introduction:

Thank you for choosing the Chord VHF-series wireless system. This professional wireless set provides an instrument VHF radio system for freedom of movement without loss of audio quality. Please read this manual before using this equipment in order to avoid damage through incorrect operation and to get the best performance from your purchase.

Contents:

Please take care when unpacking this product. Inspect for any damage and ensure you have the following components...

- VHF wireless receiver
- Mains power adapter
- 6.3mm to 3.5mm instrument jack lead
- 6.3mm mono jack lead
- 9V battery, PP3

Warning:

To prevent the risk of fire or electric shock, do not expose any of the components to rain or moisture. If liquids are spilled on any component, stop using immediately, allow unit to dry out and have checked by qualified personnel before further use. Avoid impact or heavy vibration to any of the components. No user serviceable parts inside transmitter or receiver - refer servicing to qualified service personnel.

Safety

- Ensure that the correct adapter is used with adequate current rating and that the mains voltage is as stated on the adapter.
- Avoid ingress of water or particles into the transmitter(s) or receiver
- Use alkaline or NiMH batteries in the transmitter(s) and remove if unused for long periods.
- Observe the correct polarity when replacing batteries

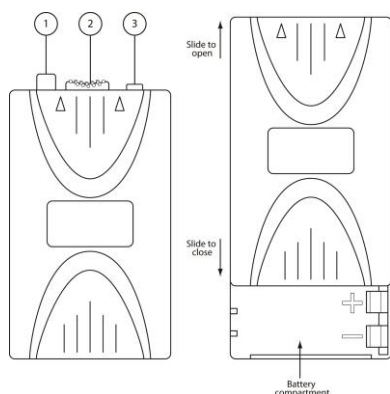
Placement

- Keep all components out of direct sunlight and away from heat sources.
- Do not place heavy objects on top of the receiver or transmitter(s)
- If rack-mounting, secure the receiver to a 1U rack tray and do not place heavy equipment above the receiver.
- Keep the transmitter(s) and receiver away from damp or dusty environments.

Cleaning

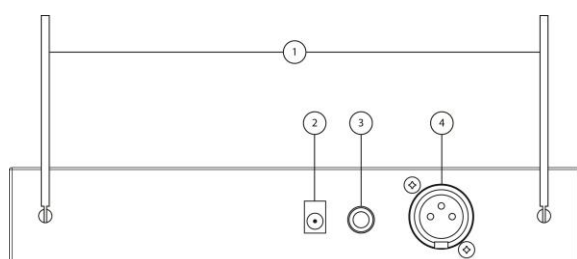
- Use a soft cloth with a neutral detergent to clean the body of the beltpack transmitter and receiver.
- Lightly damp sterile wipes may be used on the beltpack for hygiene purposes
- To avoid damage, do not use solvents to clean the components

Beltpack Transmitter



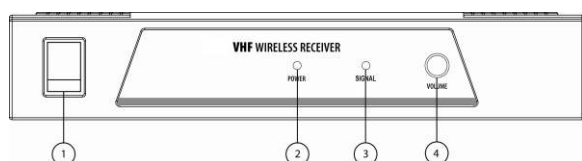
1. GAIN ADJUST rotary control
2. Slide switch and LED
3. Guitar input (3.5mm jack)

Receiver Rear Panel



1. Antennas
2. DC Power input
3. Unbalanced 6.3mm jack output
4. Balanced XLR output

Receiver Front Panel



1. Power ON/OFF switch
2. POWER indicator LED
3. SIGNAL indicator LED
4. VOLUME control

Operation

To begin, insert batteries into the transmitter. Slide the front half of the beltpack upwards just enough to reveal the battery compartment and position the supplied 9V battery inside (ensure + and - are the correct way around) and then slide the beltpack case together as before.

Position the receiver within the best available line of sight to the transmitter(s) and connect the DC jack of the supplied power adapter to the receiver and the plug-top to the mains outlet. Extend both antennas fully upwards and outwards slightly and switch the power on. Turn the output level down on the receiver.

Connect the jack or XLR (optional) lead to the receiver's audio output connector, turn down the volume of the guitar amplifier (or effect unit) that the signal will be fed into and then connect the jack or XLR to the guitar amplifier. Move the slide switch on the beltpack transmitter to the first notch (MUTE) – the LED should light momentarily (continuous dim LED indicates low battery). Move on another notch (ON) and gradually increase the output level on the receiver, then increase the volume on the guitar amplifier until the sound from the guitar can be heard through the amp (ensuring guitar volume controls are turned up)

If the wireless system is not to be used for more than a few seconds, it is preferable to slide the transmitter switch to the "OFF" position, which mutes and deactivates the radio signal and powers down the transmitter. Be sure to turn down the volume of the guitar amplifier and then switch off the receiver.

Unplug signal leads from the receiver and mixer or amplifier when moving or packing away.

If the system is not to be used for long periods of time, remove the batteries from the transmitter and unplug the power adapter from the receiver and the mains outlet. Retracting the antennae can also help avoid damage when the system is not in use.

Specifications

Power supply (receiver)	12 - 18Vdc 350mA adaptor (supplied)
Batteries (transmitters)	4 x AA (2 per transmitter - included)
Carrier frequency	863.8MHz + 864.8MHz
RF power	10mW
S/N ratio	>80dB
THD	<0.5% @ 1kHz
Audio frequency response	50Hz - 18kHz
Range	60m (max)
Output impedance	2.2kΩ
Output level	400mv (balanced), 200mv (unbalanced)
Connectors	DC in, 2 x XLRM, 6.3mm jack, 2 x BNC antenna
Dimensions - handheld transmitter	243 x 48mmØ
Dimensions - bodypack transmitter	205 x 68 x 25mm
Dimensions - receiver	409 x 190 x 44mm
Weight - handheld transmitter	238g (no battery)
Weight - bodypack transmitter	76g (no battery)
Weight - receiver	1.37kg

Troubleshooting

"POWER" LED does not light on receiver	Ensure power adapter is connected to mains and working properly
	Ensure receiver is switched on
"POWER" LED is lit but no "RF" or "AF" LEDs	Ensure transmitter is switched on
	Check that transmitter is not out of reception range
	Check that transmitter batteries are good/charged
"POWER" and "RF" LEDs are lit but no "AF" and no sound	Check that transmitter switch is switched on
	Ensure transmitter has good/charged batteries
	Ensure there is no other nearby transmitter with the same frequency
All LEDs lit but no sound from mic	Make sure receiver is connected to mixer/amplifier
	Ensure that receiver and amplifier/mixer channel volumes are turned up
Microphone output is very loud or distorted	Turn down VOLUME on receiver
	Turn down gain on bodypack transmitter
	Reduce gain on mixer/amplifier
	Ensure that an XLR output is not fed to a line input
Microphone output is very low	Turn up VOLUME on receiver
	Turn up gain on bodypack transmitter
	Increase gain of mixer/amplifier input
	Ensure that a jack output is not fed to a mic input
	Check transmitter batteries



Disposal: The "Crossed Wheelie Bin" symbol on the product means that the product is classed as Electrical or Electronic equipment and should not be disposed with other household or commercial waste at the end of its useful life. The goods must be disposed of according to your local council guidelines.

Hereby, AVSL Group Ltd. declares that the radio equipment type 171.848UK is in compliance with [Directive 2014/53/EU](#)

The full text of the EU declaration of conformity is available at the following internet address: <http://www.avsl.com/assets/exportdoc/1/7/171848UK%20CE.pdf>

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