

U7000
DUAL CHANNEL WIRELESS
MICROPHONE SYSTEM

FBW

user manual

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1. System Components

U7000R Receiver x 1	U7000HT Handheld Transmitter x 2	U7000BT Bodypack Transmitter(Optional)	Lavalier Microphone (Optional)	Headset Microphone (Optional)
Audio Cable x 1	Adapter x 1	User Manual x 1	Battery x 4	Antenna x 2

2. Technical Data

System Technical Data

Dynamic Range	≥118dB(A)
THD	< 0.5% (at 1KHz)(Without Cartridge)
Frequency Response	35Hz~18KHz (-3dB)

U7000R Receiver Technical Data

Receiving Frequency Ranges	470~510MHz/641~698MHz
Switching Bandwidth	40MHz/57MHz
Receiving Sensitivity	-106dBm ±2dB/SINAD=12dB
Thirdorder Intermodulation	≥78dB
Image Rejection	≥100dB
Blocking	≥73dB
Adjacent Channel Selection	> 110dB (F0 ±250KHz)

U7000HT Transmitter Technical Data

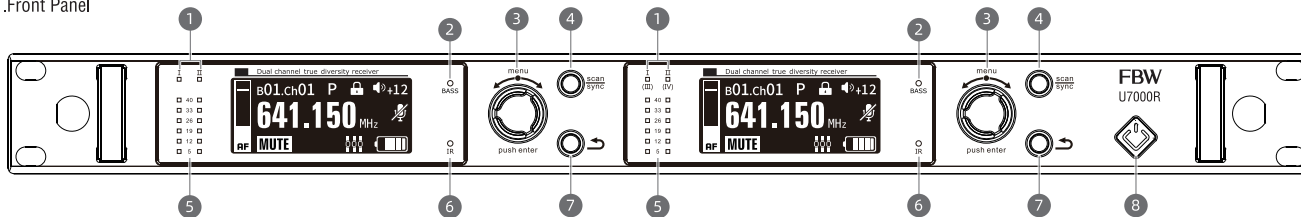
Receiving Frequency Ranges	470~510MHz/641~698MHz
Switching Bandwidth	40MHz/57MHz
RF Output Power	16dBm(40mW)
Higher Harmonic	≥60dBc
Peak Deviation	56KHz
The Power Supply Requirements	Section 2 "AA" alkaline or rechargeable battery
Battery Life	≈6-8H (alkaline); Current ≤140mA(3V)

U7000BT Transmitter Technical Data

Receiving Frequency Ranges	470~510MHz/641~698MHz
Switching Bandwidth	40MHz/57MHz
RF Output Power	16dBm(40mW)
Higher Harmonic	≥60dBc
Peak Deviation	56KHz
The Power Supply Requirements	Section 2 "AA" alkaline or rechargeable battery
Battery Life	Material 6 ~ 8 h (alkaline); Current ≤140mA(3V)

3.U7000R Receiver

1.Front Panel



1.Antenna Indication

2.Bass Indicator

3.(Twist) Select, (Press) Confirm

4.(Short Press) SYNC/(Long Press) SCAN

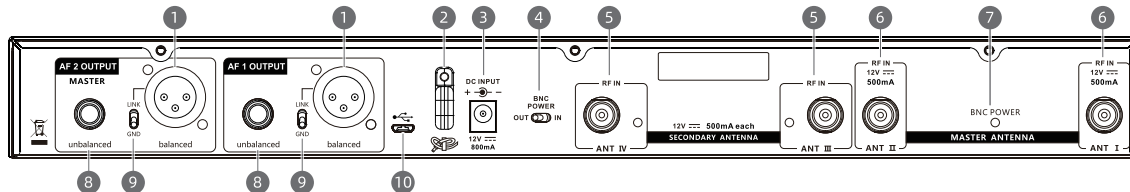
5.RF signal strength

6.IR Window

7.Return /Cancel Key

8.Power Switch

2.Rear Panel



1.XLR(Balanced Output Socket)

2.Card Buckle

3.DC Power Matching Jack

4.BNC Power Switch

5.Work indicator light

6.Antenna Jack









7.BNC Power Light

8.3.5 Audio Output Socket

9.Grounding Switch

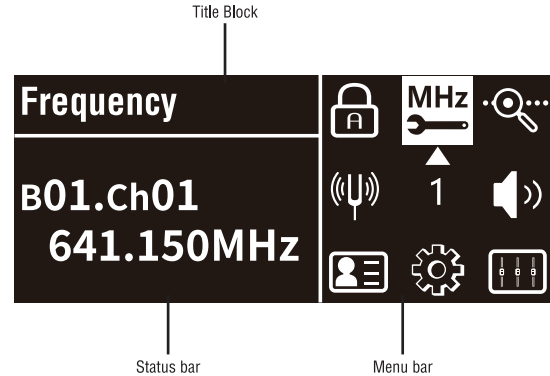
10.System Upgrade Port

3.Receiver menu

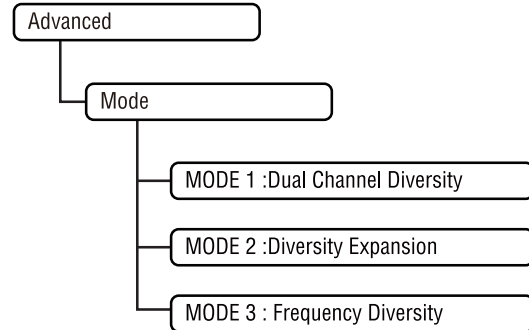
Content	Function
	Frequency Channel Adjustment.The channel "U" is predetermined frequency.
	Scan Scan Optimum Channel.
	AF Out Adjust system gain,-24--+18dBV,in 3dB steps.
	EQ Equalizer
	Advanced Advanced setting 1. Lcd Contrast 2.Spectrum 3.Language 4.Reset 5.Software Revision 6.Mode
	Name Custom name
	Tuner Tuner for guitar and bass (Four string/five String).
	Auto Lock Turn on the function,witont operate for 5seconds.

4.Receiver Menu Interface

Press the "menu" key to down, it directly enter the menu operation mode.



5.Menu - Mode



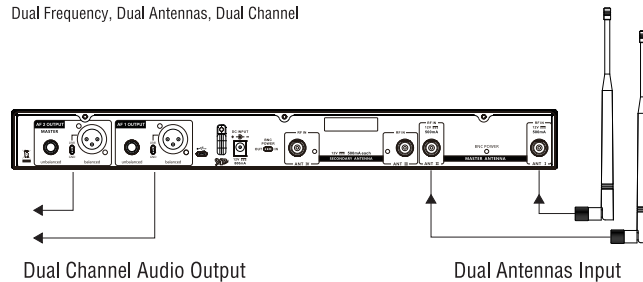
6.Receiver MODE 1 and MODE 2-Main interface Instruction



Content	Function
	Audio Output Level ("PE"=Overload)
B01.Ch01	Band.Channel ("B"=Band)("Ch"=Channel)The channel "U" is predetermined frequency
P	Pilot Tone
	Keys Locked After open the auto lock function, without operation and it will be locked automatically after 5 seconds.
	System Gain -24--+18dBV(in 3dB steps)
641.150 MHz	Display The Mode Mode 1: current frequency (default)Mode 2: self setting name
	Transmitter Mute
MUTE	Receiver Mute
	EQ
	Transmitter Battery

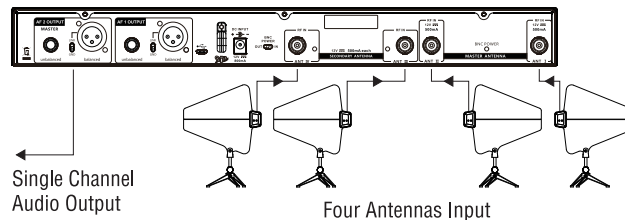
7.Model 1(Dual Channel True Diversity)Installation Instruction

Dual Frequency, Dual Antennas, Dual Channel



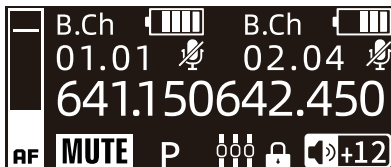
8.Model 2(Diversity Expansion)Installation Instruction

Single Frequency, Four Antennas, Single Channel



9.MODE 3-Main interface Instruction

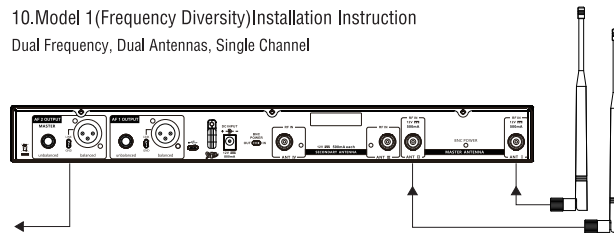
Frequency 1, Frequency 2, diagra



Content	Function
	Audio Output Level ("PE"=Overload)
B.Ch 01.01	Band.Channel ("B"=Band)("Ch"=Channel) The channel "U" is predetermined frequency.
	Transmitter Battery Level If without connect to the transmitter and it display "MUTE".
	Transmitter Mute
641.150642.450	Display the Mode Mode 1: current frequency (default)Mode 2: self setting name
MUTE	Receiver Mute
P	Pilot Tone
	EQ
	Keys Locked After open the auto lock function, without operation and it will be locked automatically after 5 seconds.
	System Gain -24~+18dBV(in 3dB steps)

10.Model 1(Frequency Diversity)Installation Instruction

Dual Frequency, Dual Antennas, Single Channel

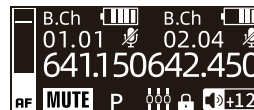


Single Channel Audio Output

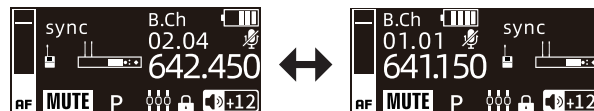
Dual Antennas Input

10.Mode3 infrared frequency modulation Operation

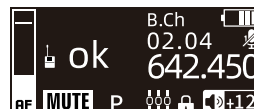
1.Press the key to enter the infraed frequency interface;



2.To select the frequency(Frequency1/Frequency2);

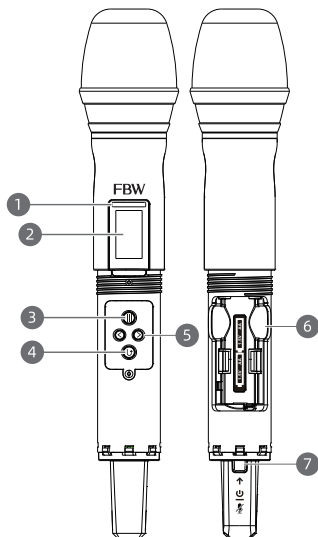


3.Press "push enter" to synchronize.



4.U7000HT Handheld Transmitter

1.Handheld Transmitter



1.IR Window

2.TFT Display

3.Menu / Enter

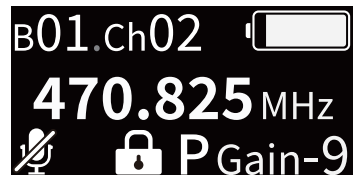
4.Exit




5.Direction key

6.Battery Rack







7.Power / Mute

2. Transmitter interface



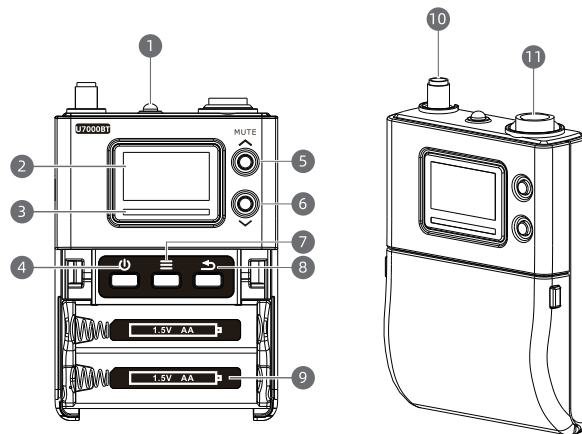
Content	Function
B01.Ch02	Band,Channel
	Transmitter Battery
470.825 MHz	Current frequency
	Transmitter Mute
	Lock Mode
P	Pilot Tone
Gain-9	Gain (in 1dB steps)-18dB~+20dB

3.Handheld Transmitter Menu

Content	Function
	Advanced Advanced setting.The channel "U" is predetermined frequency.
	Sensitivity Sensitivity gain setting.(- 18dB~20dB,in 1dB steps)
	Auto Lock Turn on the function,witont operate and it will be locked automatically after 10 seconds.
	Language System language selection.
	Light control Brightness adjustment of indicator light.
	Advanced Advanced setting. 1. Name 2.Reset 3. Software 4.Usage

5.U7000BT Bodypack Transmitter

1.Bodypack Transmitter



1.Indicator Light

2.TFT Display

3.IR Window

4.Power switch

5.UP(Long press to mute)

6.Down

7.Menu/Enter

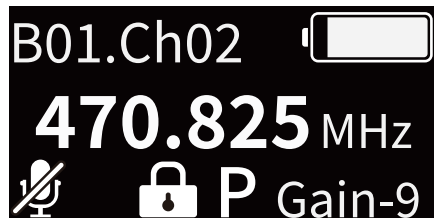
8.Exit

9.Battery Rack

10.Separate Antenna

11.4-pin XLR

2. Bodypack Transmitter interface



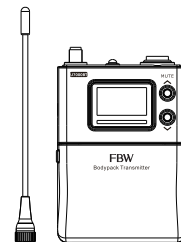
显示内容	功能
B01.Ch02	Band,Channel
	Transmitter Battery
470.825 MHz	Current frequency
	Transmitter Mute
	Lock Mode
P	Pilot Tone
Gain-9	Gain (in 1dB steps)-18dB~+20dB

3.Bodypack Transmitter Menu

Content	Function
	Advanced Advanced setting.The channel "U" is predetermined frequency.
	Sensitivity Sensitivity gain setting.(- 18dB~20dB,in 1dB steps)
	Cable Simulation Different lengths of analog wiring.
	Auto Lock Turn on the function,witont operate and it will be locked automatically after 10 seconds.
	Language System language selection.
	Advanced Advanced setting. 1. Name 2. Reset 3. Software

4.Frequency corresponding to antenna tail cap color.

470~510MHz:Yellow
535~560MHz:Gules
641~698MHz:Black



6. Important Safety Notices

Please read the instructions carefully before installing or operating the equipment, and keep the manual for future reference.

Clean only with dry cloth and make sure the power is off.

Only use with accessories that specified by the manufacturer.

Do not install this equipment in a high temperature and high humidity environment.

Operation voltage of power supply :
American Region and Japan: AC 110V-120V 60Hz
Europe and Asia: AC 220V-240V 50Hz

Unplug power adapter off the unit during lightning storms.

Turn off the power, unplug the power plug and take the battery off the transmitter for backup when unused for long periods of time.

The equipment should be opened, serviced, and repaired by authorized personnel only. If you need any service or repair, please contact the FBW's repairing centre for further help.

7. Warranty

If there is any problem with the product, please contact our service center.



Warning

Failure to follow the safety instructions below may result in fire, electric shock, damage, or other injury

- Unauthorized disassemble, repair and modify is forbidden.
- Do not replace or modify any element of the product.
- Use only approved adapters, do not connect incompatible adapters.
- Do not process, crimp, break or damage the power cord.
- The product is not waterproof, please keep it dry.
- Do not place the product near fire or other heat sources.
- Do not throw or hit the product strongly.
- Keep out of reach of children.



DEALER



REPAIR CENTRE

Please provide proof of purchase or warranty card during maintenance in order to obtain the corresponding warranty service.

If you remove the series number, date code label, product label or remove the machine without authorization, The warranty will be invalid.

The Company have no responsibility for any incidental or consequential damage arising from improper use or mishandled.

FBW



Made in China

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Building 5, V1 2nd District, Industrial Transfer Park,
Enping City, Guangdong, China