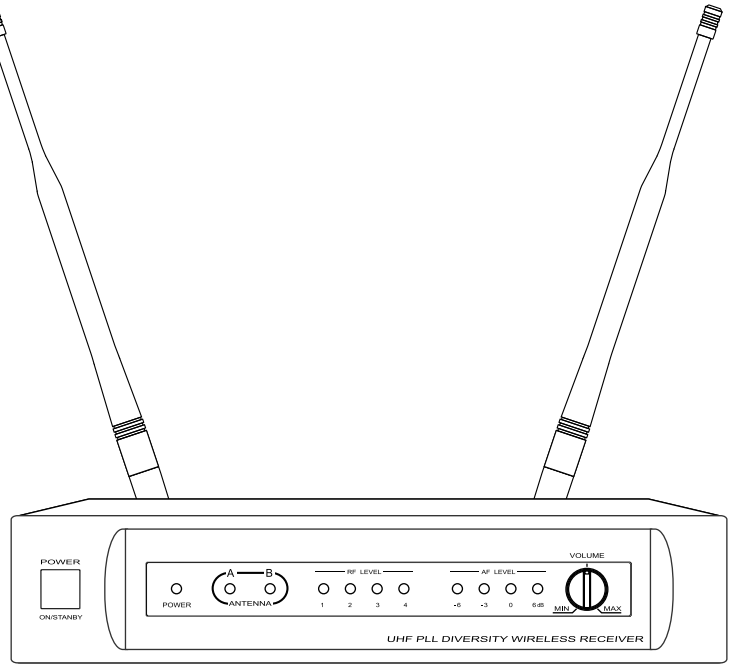
SUPREME PRO AUDIO™

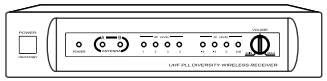
SPA665

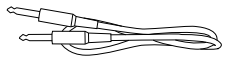
Wireless Microphone Systems

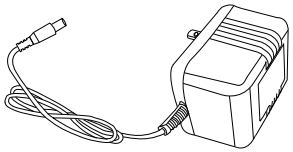
User's Manual

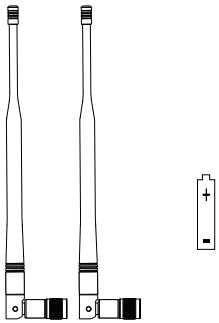


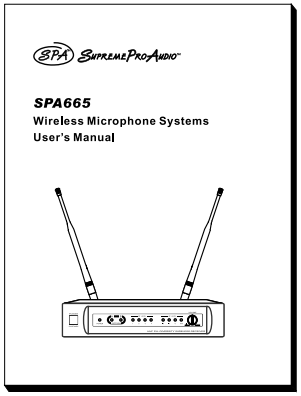
System module









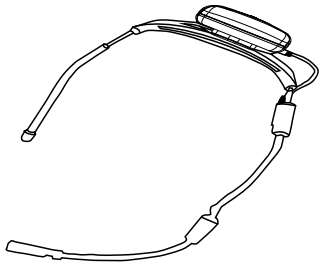


All system include:

SPA-665 Receiver
One AAA battery
One piece of '1/4' Audio tie line
Power module
Two antenna
User guide

Headworn microphone system include:

SPA64 Headworn transmitter



Technique target

System

Frequency Range and Transmitter Output level

Band	Range	Transmitter RF level
UA	518-548 MHz	6dBm
UB	630-660 MHz	6dBm
UC	740-770 MHz	5dBm
UD	800-822 MHz	5dBm
UE	838-865 MHz	5dBm

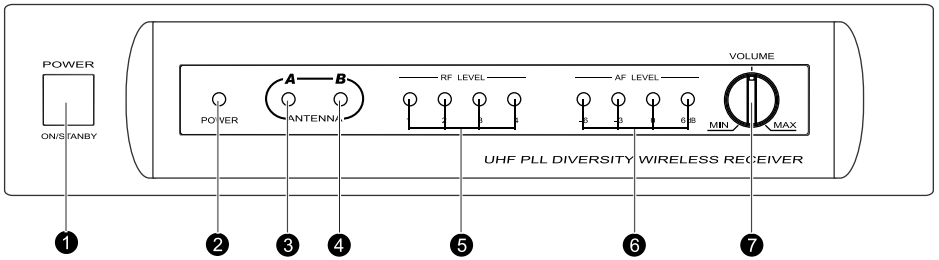
Work range on the typical understanding
30m (99inch.)
Note: The actual scope and RF signal relate to absorption,reflection and interference.
Audio Frequency Response (+/-3 dB)
60Hz～16KHz
Total Harmonic Distortion
(+/- 30 KHz deviation,1 KHz tone)
<1%
Dynamic Range
＞90 dB (A －wh)
The work temperature range
-10°C to +50°C
Note: Battery characteristics may affect the scope of the limits.

Receiver

Audio output level (reference +/-30khz, 1khz)
XLR adaptor (switch in 600 ohm): -12dbv
1/4 inch adaptor (switch in 3000 ohm): -18dbv
Output impedance
XLR adaptor: 200vendu
1/4 inch adaptor : 1kvendu
XLR output
Balance impedance
Contact pin 1: GND
Contact pin 2: (+)
Contact pin 3: (-)
Sensitivity (intermediate frequency demodulator output SNR 30db)
<-92dbm
Image Rejection
＞80dB
Size
44mm*212mm*160mm
weight
930g
Power request
12-18 V DC, electrical current 400 milliamperes from an external power

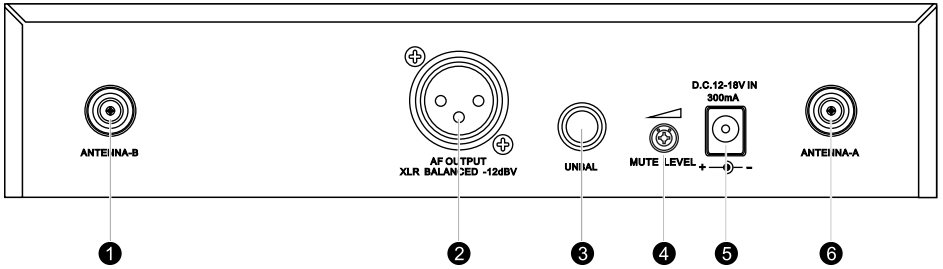
Functions Receiver

Front Panel



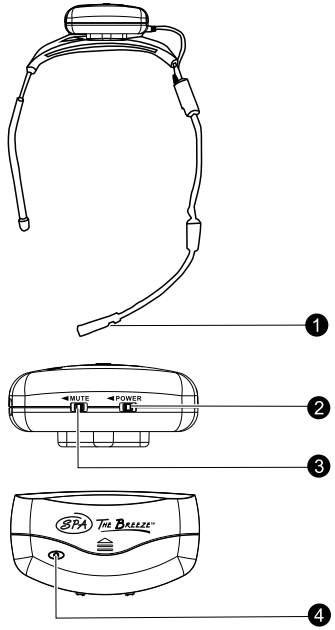
1. Power switch
   Each click can be opened or closed the receiver
2. Power indicator light。
   The indicator light is illumed for opening the receiver power
3. A way antenna working indicator light
   Indicator light is illumed for A way antenna for working situation
4. B way antenna working indicator light
   Indicator light is illumed for B way antenna for working situation
5. RF shine diode
   The intension for indicator collect RF signal
6. Audio frequency shine diode
   The intension for audio frequency collect RF signal
7. The control knob is for outputting audio frequency level。
   Rotate left for outputting level reduction ,Rotate right for outputting level increases.

Rear Panel



1. Antenna jack B 50 ohm
2. XLR output socket
3. 1/4 inch output socket
4. Squelch threshold level of fine-tuning
   Receiver Squelch start threshold, the factory has been pre-set, Interference signal can be threshold to increase (clockwise adjustment) until the RF signal lights go out.
5. DC power adapter socket
6. Antenna jack B 50 ohm

SPA64 headworn transmitter:



Function:

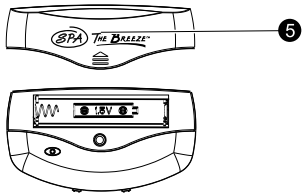
1. Microphone
2. Power control switch
3. Mute switch
4. Power indicator light
5. Battery cover

The adorn for headworn transmitter

Put the transmitter to grip the ear to achieve the best effect, as shown in the left diagram

Replace battery

One 1.5V AAA battery is expected to use for 6 hours.
When the battery indicator is flashing, the battery should be replaced immediately
As shown in the left diagram



Trips for improving System Performance

- Maintain a line of sight between transmitter and antenna.
- Avoid placing the receiver near metal surfaces or any digital equipment (CD players, computes, etc)
- Keep the receiver away from the wall and over 1m to the ground
- Cellular telephones and two-way radio and so on can interfering the transmitting frequencies, maintain a distance from the interfering equipments or any cause interfering.

Troubles Shooting

Issue	Indicator Status	Solution
No sound or faint sound	Transmitter ON Indicator stop flashing	Turn on transmitter Make sure the +/- indicator on battery match the transmitter terminals
	Power indicator off	Make sure AC adapter is securely plugged into electrical outlet and into DC input connector on rear panel of receiver.
	Receiver RF indicator glows	Turn the receiver up Turn up the Gain adjustment switch in the transmitter Check the power connection of the receiver and amplifier or mixer
	Receiver RF indicator off, transmitter indicator ON	Take the receiver away from the metal objects Check whether there is hamper between receiver and transmitter Move the transmitter near the receiver Check the receiver and transmitter whether use the same frequency
	Transmitter low battery indicator ON	Change the batteries in transmitter
Distortion or unwanted noise bursts	Receiver RF indicator ON	Remove nearby sources of RF inte rference(CD players, computers , digital effects ,in-ear monitor systems, etc.)
Distortion level increases gradually	Transmitter low battery indicator ON	Change the batteries in transmitter
Sound level different from cabled guitar or microphone, or when using different guitars		Adjust transmitter again and receiver volume as necessary