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1. SAFETY PRECAUTIONS

- Please read the instructions below carefully before 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 LINEAR TECHNOLOGIE.
- Don not install this equipment in a high temperature and high humidity environment.
- Operation voltage if power supply :
 - American region and Japan : AC 110V ~ 120V 60 Hz
 - Europe and Asia : AC 220V ~ 240V 50 Hz
- Unplug power adapter front power plug and all cables off unit during lighting storms or 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 LINEAR TECHNOLOGIE for further help.

2. WARRANTY

LINEAR TECHNOLOGIE offers a 12 months manufacturer warranty on our products. It warrants that the products will be free from defects in materials or workmanship (as long as the wireless systems are used under normal circumstances and properly maintained) for a period of 12 months from the original date of purchase.

This warranty does not cover damage from accidental accident, misuse, abuse, operation with incorrect AC voltage, operation with faulty associated equipment, modification, service by an unauthorized service center or any abnormal usage. Units on which the serial number has been removed or defaced are not eligible for warranty service.

All service and repair issue are handled directly by out authorized distributors or repair center. Please contact authorized distributors or LINEAR TECHNOLOGIE directly for service.

3. SYSTEM DESCRIPTION

WMSAD4P utilizes a newly developed low noise and amplifying circuit design. With 8-channel low loss antenna divider circuitry, four individual channels automatic selective receiver can be used in a couple antennas. BNC connector can ensure the reliability and easy installation between units.

The system includes an antenna distributor, two antenna amplifiers two wide band directional antennas and a power adapter, along with four audio cables, ten BNC cables, a user guide and warranty card.

Specific model numbers :

Antenna distributor : WMSAD4P

Antenna amplifier : WMSA10

Wide band directional antenna : WMSAD9

System components



WMSAD4P



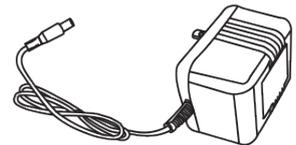
WMSA10



WMSAD9



Audio cables



Power adapter



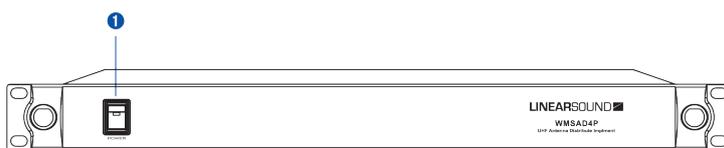
Operation manual



BNC cables

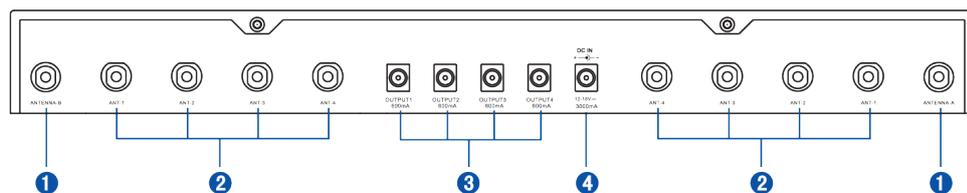
4. ANTENNA DISTRIBUTOR

a. Front panel



1. On / off switch

a. Rear panel



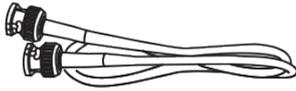
1. Antenna socket

2. Antenna distributor connection socket : Carries signals to receiver to increase receiving distance.

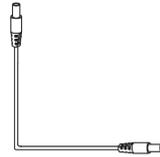
3. Power distributor connection socket : Provides power supply to receiver.

4. AC adapter socket

5. SIGNAL SYSTEM INSTALLATION INSTRUCTIONS



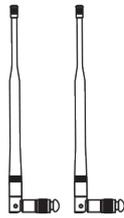
1. BNC connection cable



2. Power supply cable



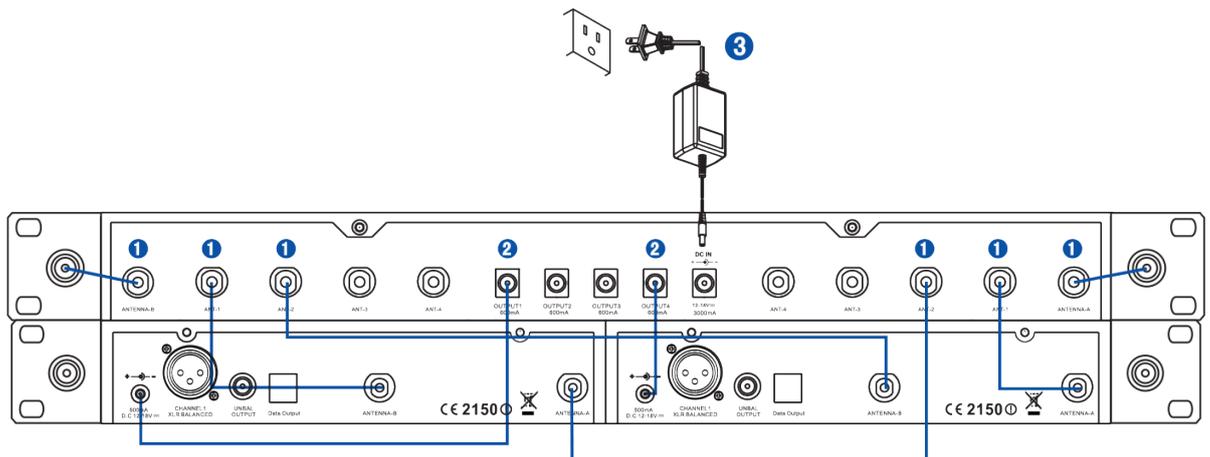
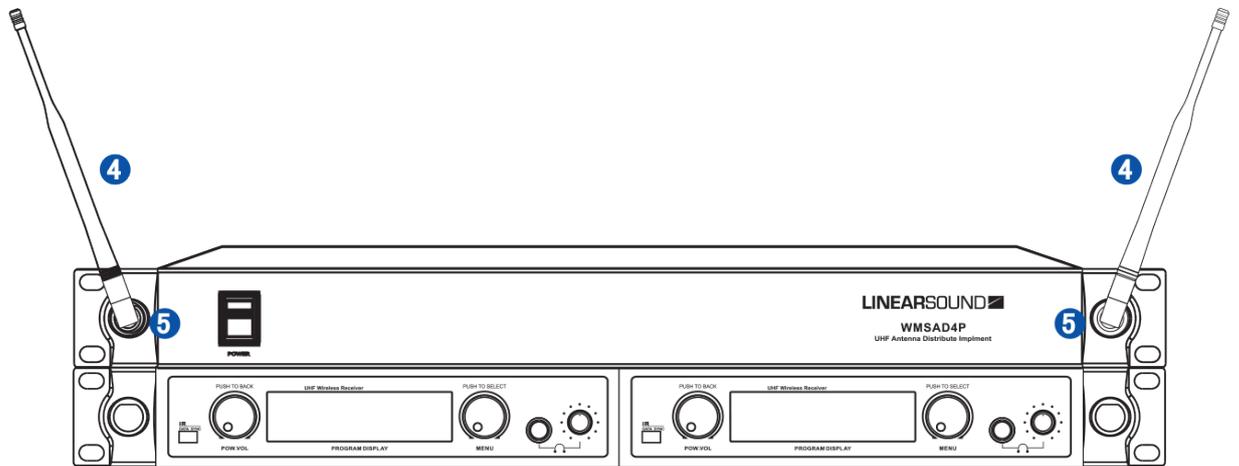
3. AC adapter



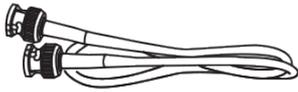
4. BNC antenna



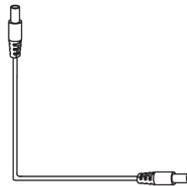
5. BNC connector



6. MULTI SYSTEM INSTALLATION INSTRUCTIONS



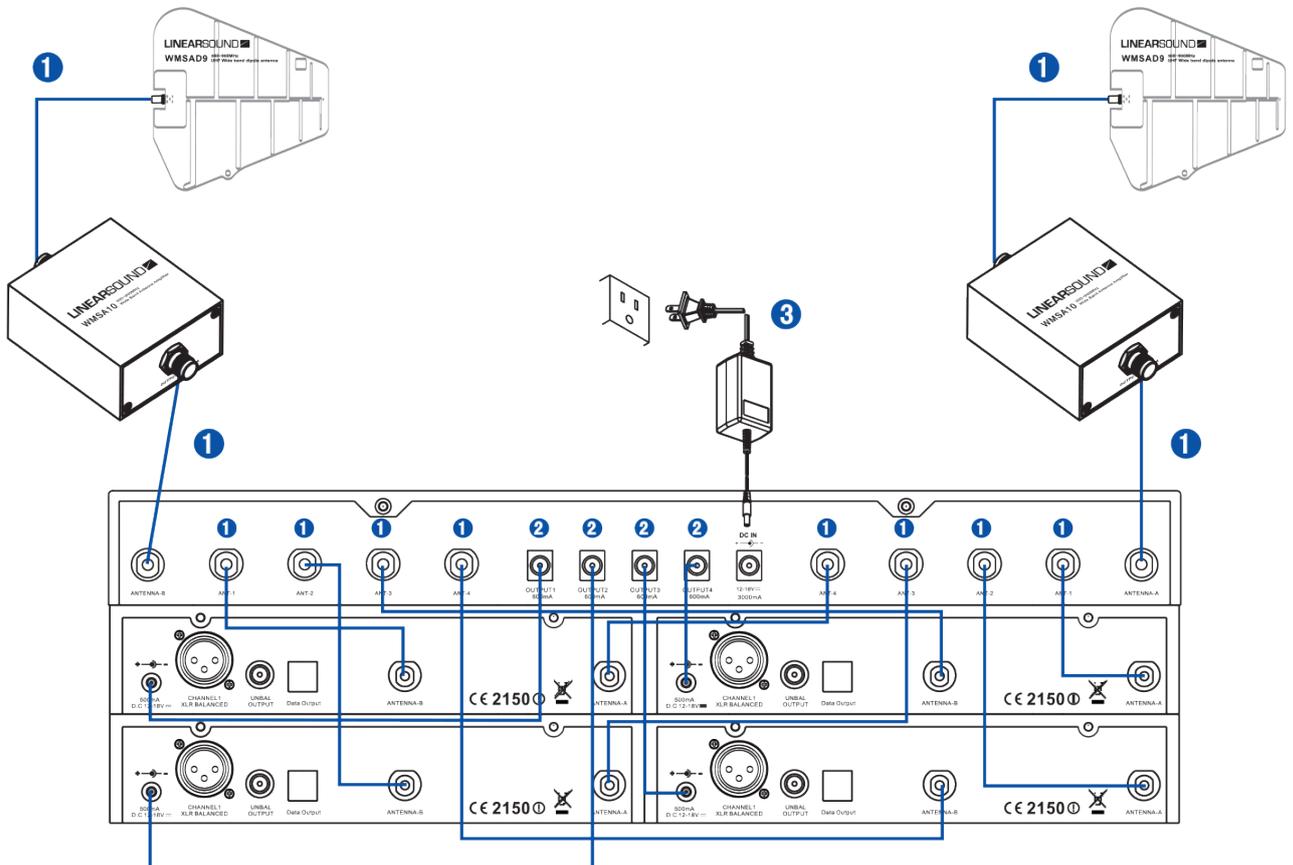
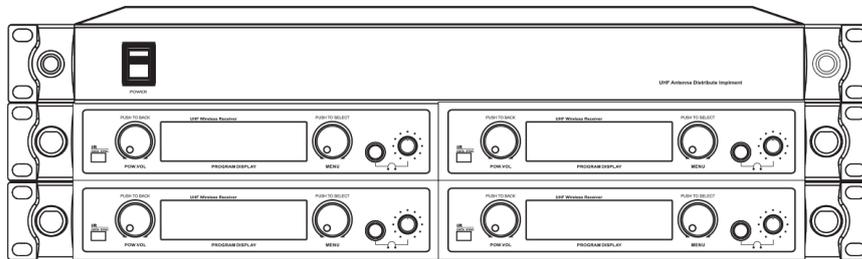
1. BNC connection cable



2. Power supply cable



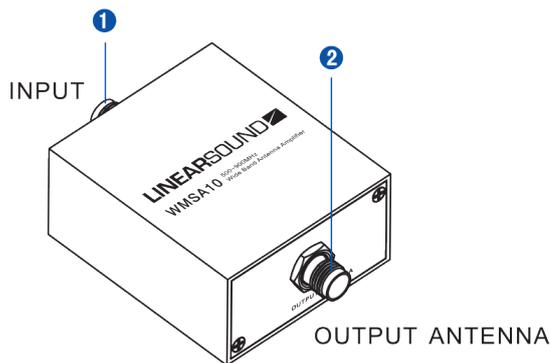
3. AC adapter



7. ANTENNA AMPLIFIER

Antenna amplifier descriptions

WMSA10 antenna amplifier utilizes a phantom powering and low noise circuit design, it covers all the UHF wireless frequency point from 500 MHz to 900 MHz. Metal chassis ensure good appearance and durability.



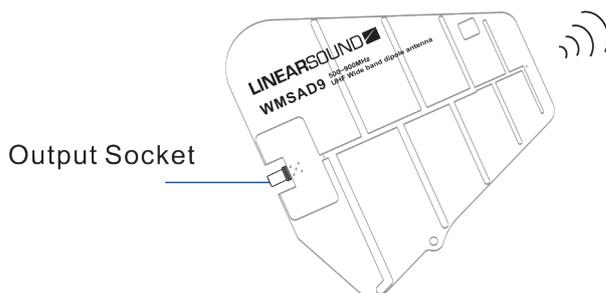
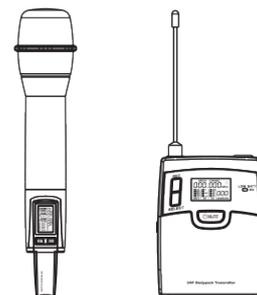
- 1. Input : Antenna connection socket
- 2. Output socket

8. WIDE BAND DIRECTIONAL ANTENNA

Wide band directional antenna descriptions

WMSAD9 wide band directional antenna utilizes high gain and ultra wide band design. It covers all the UHF wireless frequency point from 500 MHz to 900 MHz. Directional antenna enhances signal's strength and efficiently decreases interferences from other equipments.

Wide band directional antenna



It is suggested that the angle between wide band directional antenna and transmitter should be from 90° to 102°. Normally the effective range can reach about 100m.

9. SPECIFICATIONS

WMSAD4P antenna distributor

Input impedance	50Ω
Output impedance	50Ω
Antenna input socket	BNC
Antenna output socket	BNC
Gain	3 dB
Frequency bandwidth	200 MHz
Power supply	DC 12 ~ 18V 3000 MA
Weight	20 kg
Dimensions	45 x 410 x 160 mm

WMSA10 antenna amplifier

Input impedance	50Ω
Output impedance	50Ω
Input socket	BNC
Output socket	BNC
Gain	13 dB
Frequency bandwidth	400 MHz
Power supply	DC 9V
Weight	150 g
Dimensions	35 x 65 x 75 mm

WMSAD9 wide band directional antenna

Frequency range	500 ~ 900 MHz
Standing-wave ratio	Omni directional
Insulation resistance	1.3 or less
Power supply	500M Ω at DC 500V
Gain	7 dBi
Weight	180 g
Dimensions	290 x 260 mm

LINEARSOUND



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