

EIKON

AETHER Antenna Distribution System



USER'S MANUAL

ENGLISH
ITALIANO

INDEX

System Overview.....	3
System Code.....	3
System Components	3
ÆTHER BOOST Antenna Amplifier.....	4
ÆTHER ANT Wide Band Directional Antenna.....	4
ÆTHER SPLIT Antenna Distributor.....	5
Technical data	8
Descrizione Generale	9
Codici.....	9
ÆTHER BOOST Amplificatore d'Antenna.....	10
ÆTHER ANT Antenna Direzionale Larga Banda	10
ÆTHER SPLIT Distributore d'Antenna	10
Istruzioni di cablaggio	12
Specifiche	14

SYSTEM OVERVIEW

AETHER Antenna distribution system 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 power adapter, along with four audio cables, ten BNC cables and a User Guide.

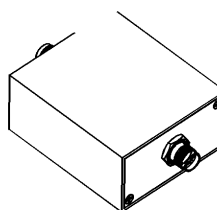
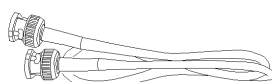
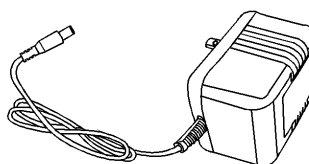
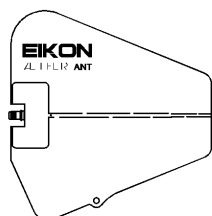
SYSTEM CODE

Antenna Amplifier: **AETHER BOOST**

Wide band Directional Antenna: **AETHER ANT**

Antenna Distributor: **AETHER SPLIT**

SYSTEM COMPONENTS



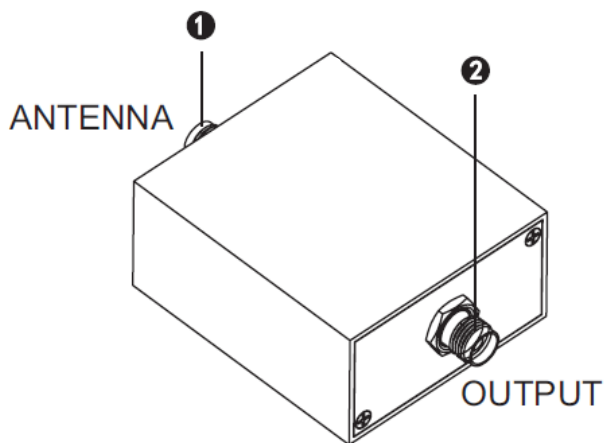
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AETHER BOOST ANTENNA AMPLIFIER

AETHER BOOST 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.



Features:

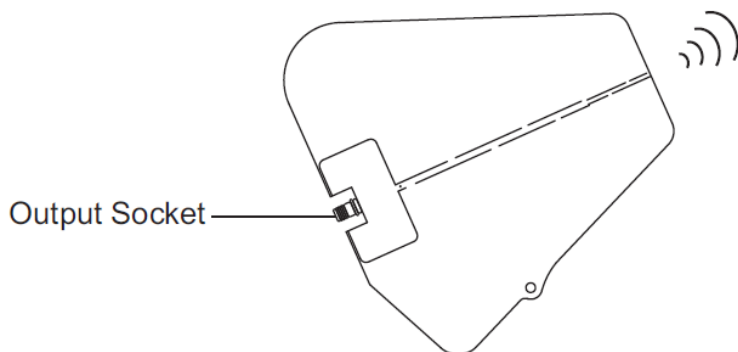
- ❶ ANTENNA: Antenna connection socket
- ❷ OUTPUT: Output socket

AETHER ANT WIDE BAND DIRECTIONAL ANTENNA

AETHER ANT wide band directional antenna utilizes high gain and ultra wideband design.

It cover all the UHF wireless frequency point from 500 Mhz to 900 Mhz.

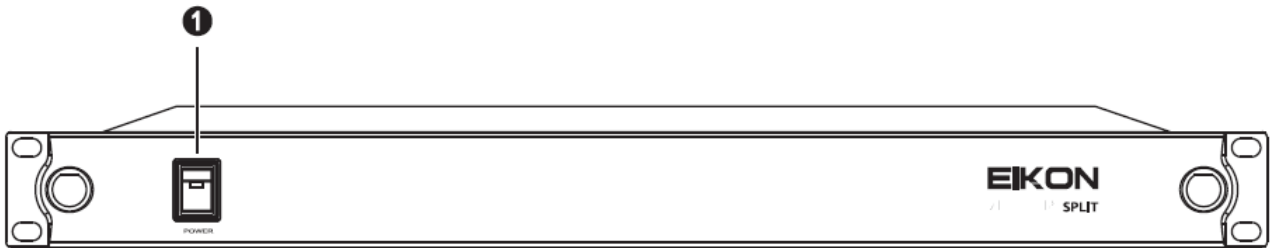
Directional antenna enchances signa's strength and efficiently decrease interfernces from other equipments.
wide Band Directonal Antenna Features



It is suggest that the angle between wide band directional antenna and transmitter should be from 90° to 120°. Normally the effective range can reach about 100 meters.

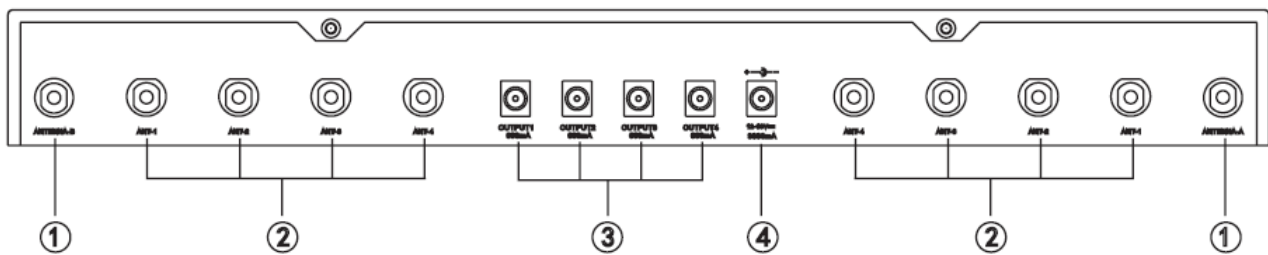
ETHER SPLIT ANTENNA DISTRIBUTOR

Front Panel



- ① ON/OFF switch

Rear Panel

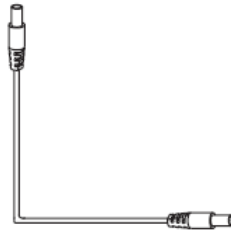


- ① Antenna socket
- ② Antenna distributor connections socket:
carries signals to Receivers to increase receiving distance
- ③ Power distributor connections socket:
provides power supply to receivers
- ④ AC adapter socket

Signal System Installation Instructions



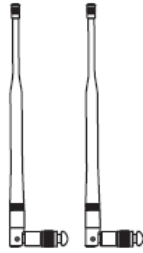
❶ BNC connection cable



❷ Power supply cable



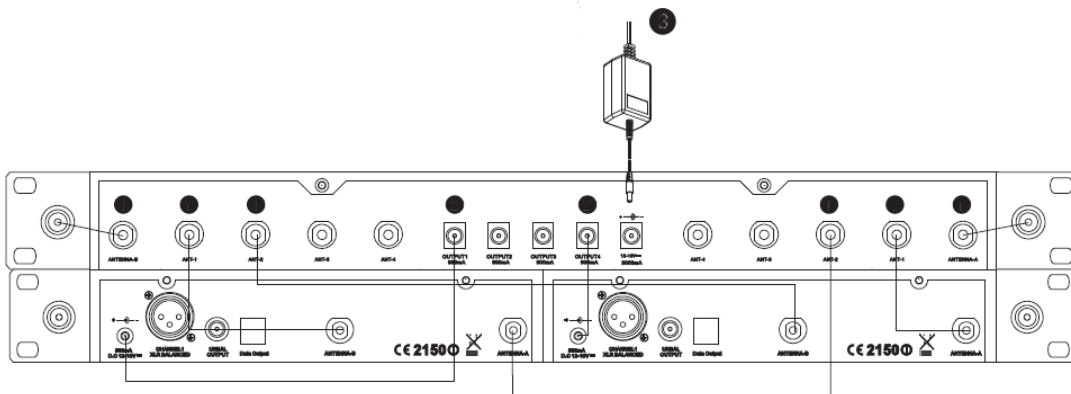
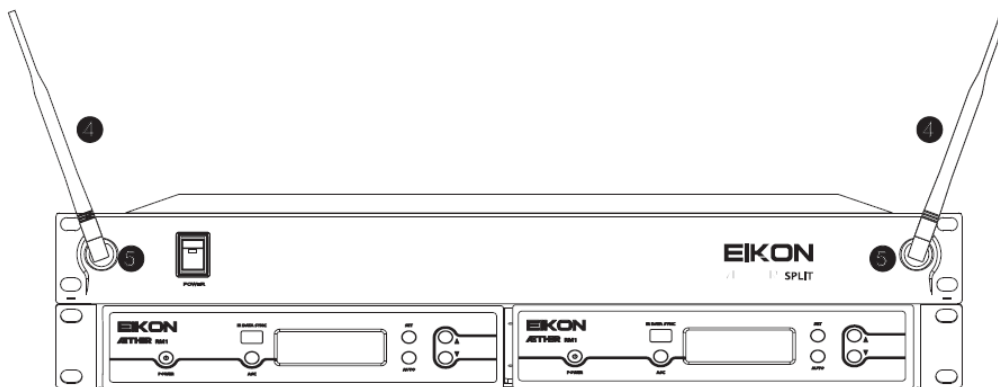
❸ AC adapter



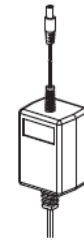
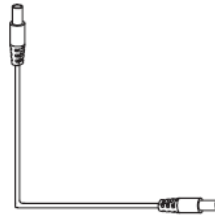
❹ BNC antenna



❺ BNC connector



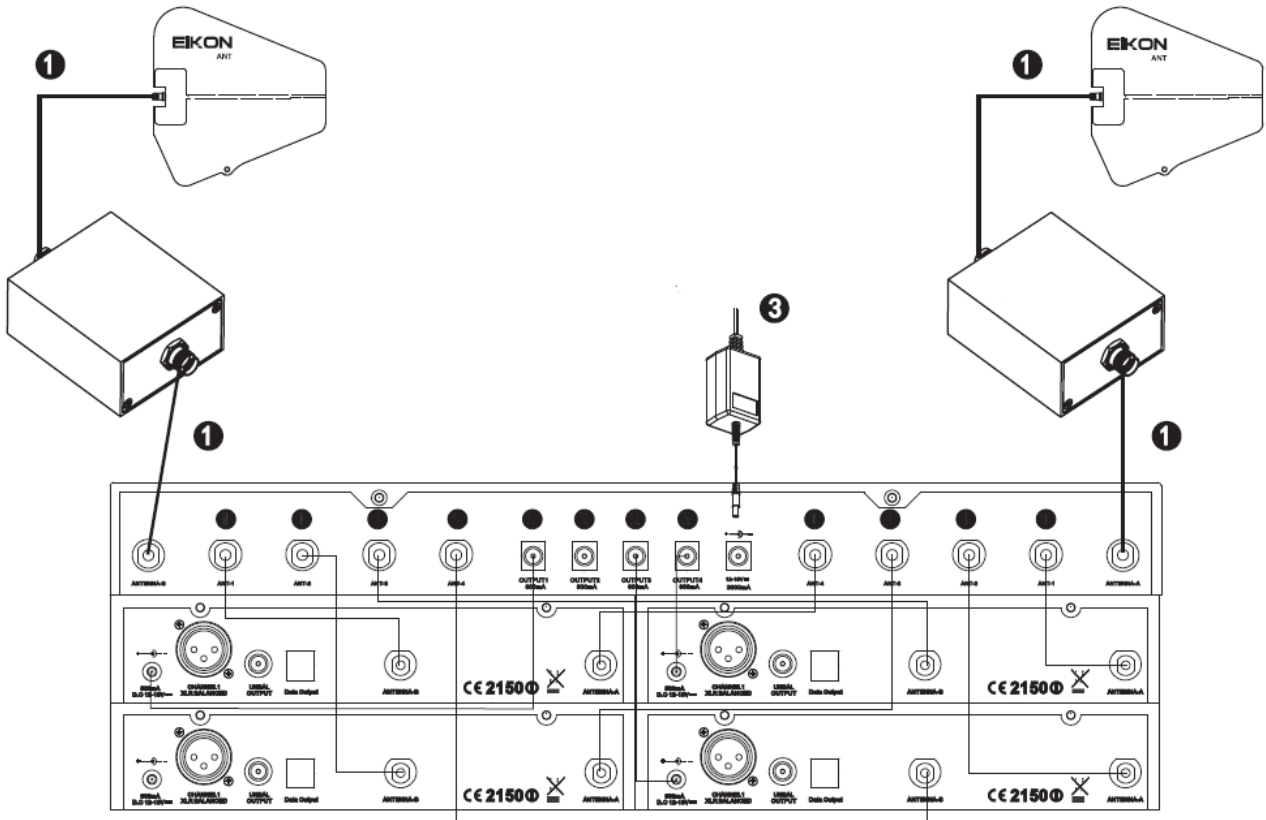
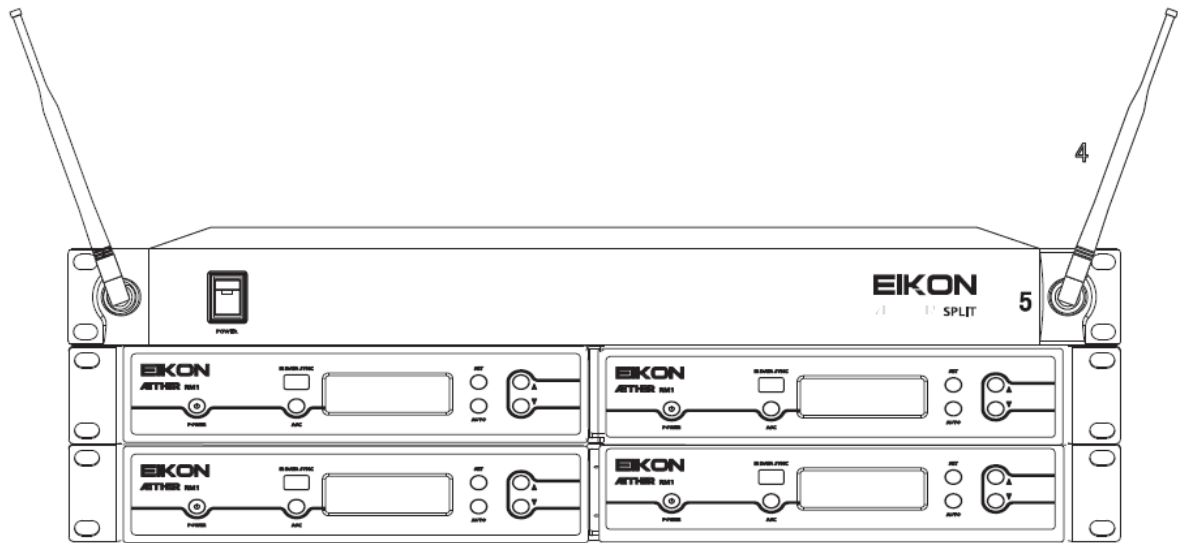
Multi-Systems Installation Instructions



❶ BNC connection cable

❷ Power supply cable

❸ AC adapter



Technical Data

ÆTHER SPLIT Antenna Distributor

Input Impedance	50 Ω
Output Impedance	50 Ω
Antenna Input Socket	BNC
Antenna Output Socket	BNC
Gain	0 ~ 3 dB
Frequency Bandwidth	400 Mhz
Power Supply	BNC 9V
Dimension	45mm X 410mm x 160mm
Weight	2000 gr

ÆTHER BOOST Antenna Amplifier

Input Impedance	50 Ω
Output Impedance	50 Ω
Antenna Input Socket	BNC
Antenna Output Socket	BNC
Gain	10 dB
Frequency Bandwidth	400 Mhz
Power Supply	BNC 9V
Dimension	35mm X 65mm x 75mm
Weight	150 gr

ÆTHER ANT Wide Band Directional Antenna

Standing-Wave Ratio	< 1.3
Output Socket	BNC
Gain	3 ~ 6 dB
Frequency Range	500 ~ 900 Mhz
Power Supply	Passive
Dimension	290mm X 260mm
Weight	180 gr

DESCRIZIONE GENERALE

Il sistema di distribuzione ad antenne AETHER SPLIT consente a ad un massimo di quattro ricevitori, di utilizzare una coppia di antenne. Grazie all'utilizzo di un circuito di amplificazione low noise a bassa perdita, compensa le perdite di segnale dovuta alla ripartizione dell'ingresso antenna in uscite multiple. Mediante quattro connettori di alimentazione DC posteriori, è possibile fornire tensione i ricevitori evitando di utilizzare alimentatori individuali. Le connessioni RF tramite connettori BNC 50 Ohm ne facilitano l'utilizzo assicurando una sicura connessione tra gli apparati.

Il sistema completo include un distributore d'antenna, due antenne direzionali, due amplificatori d'antenna, un alimentatore, quattro cavi audio, dieci cavi bnc.

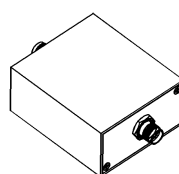
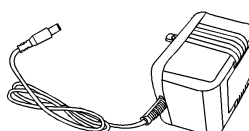
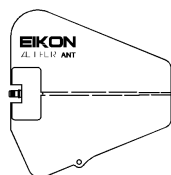
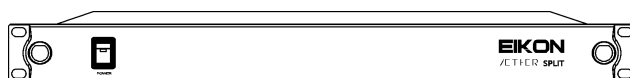
Codici

Amplificatore d'Antenna: **AETHER BOOST**

Antenna direzionale larga banda : **AETHER ANT**

Distributore d'Antenna: **AETHER SPLIT**

Componenti del sistema

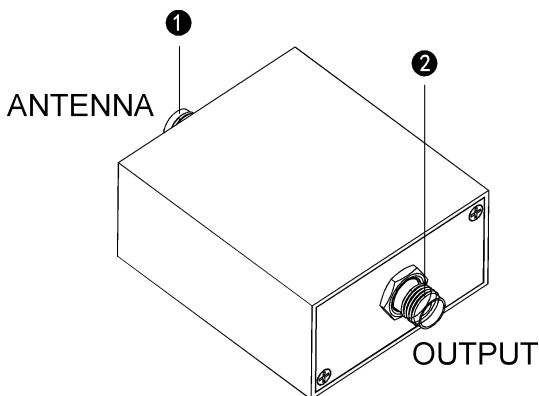


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ÆTHERBOOST AMPLIFICATORE D'ANTENNA

Descrizione

L'amplificatore d'antenna è alimentato tramite phantom per il corretto funzionamento del circuito d'amplificazione. Esso copre tutto le frequenze UHF comprese tra 500 e 900 Mhz.



Caratteristiche

- ① ANTENNA: Connettore ingresso Antenna
- ② OUTPUT: Connettore uscita Antenna

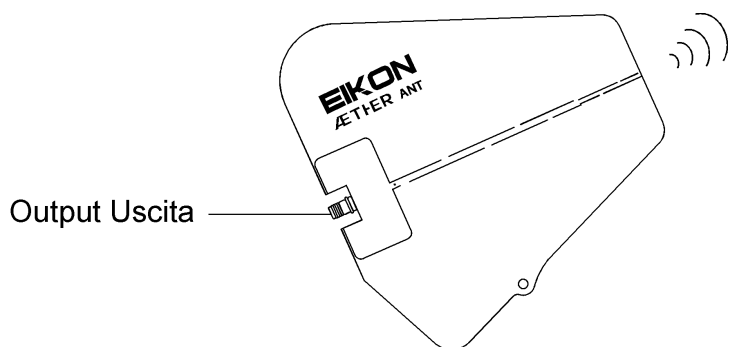
ÆTHERANT ANTENNA DIREZIONALE LARGA BANDA

Descrizione

Antenna Log-periodica ad array di dipoli con polare cardioide che ne caratterizza un'elevata reiezione dei segnali RF provenienti dalle aree fuori asse.

Range operativo compreso tra 500 e 900 Mhz. Può essere montata su asta microfonica, sospesa a soffitto o montata a muro.

Antenna Direzionale Larga Banda caratteristiche

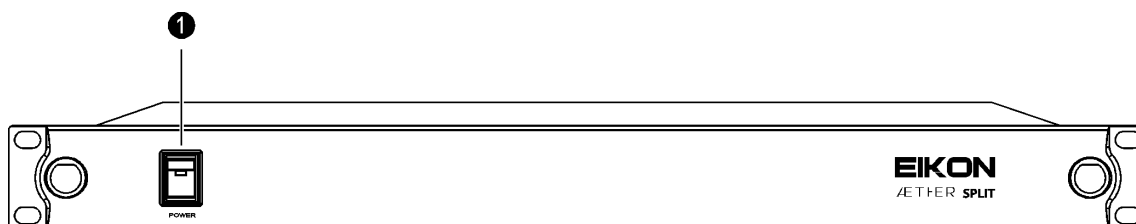


Si consiglia di posizionare l'antenna in modo che l'angolo compreso tra antenna e trasmettitore sia compreso tra 90° e 120°
L'utilizzo di antenne direttive consente di Raggiungere una portata fino a 100 metri.

ÆTHER SPLIT DISTRIBUTORE D'ANTENNA

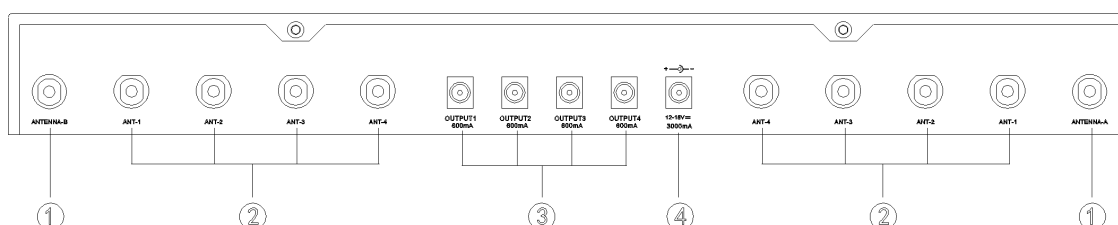
Distributore d'Antenna Layout

Pannello Frontale



- ❶ ON/OFF switch

Pannello Posteriore

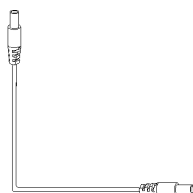


- ❶ Ingresso Antenna
- ❷ Distributore d'antenna connessioni.
Collegare i cavi in dotazione ai ricevitori per incrementare la ricezione del segnale RF.
- ❸ Connessioni per alimentazione DC dei ricevitori
- ❹ Ingresso alimentatore AC

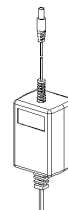
ISTRUZIONI DI CABLAGGIO



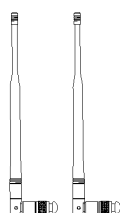
❶ Cavo BNC



❷ Cavo alimentazione



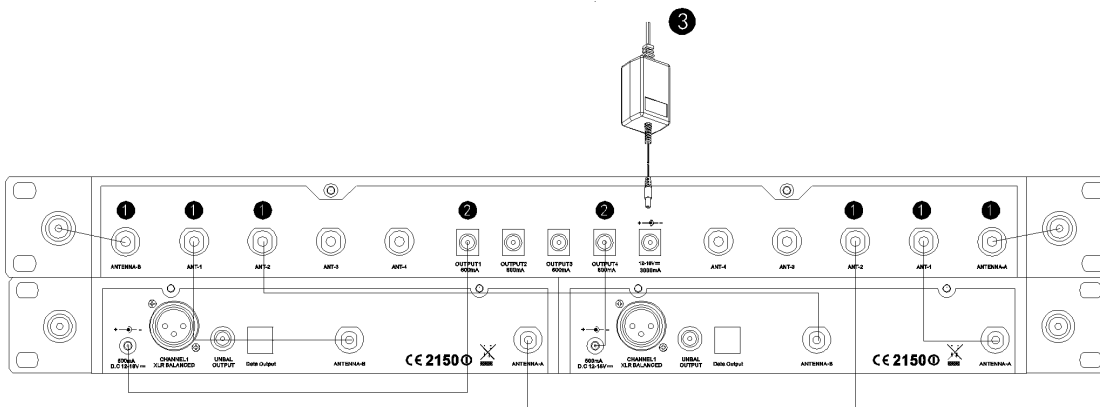
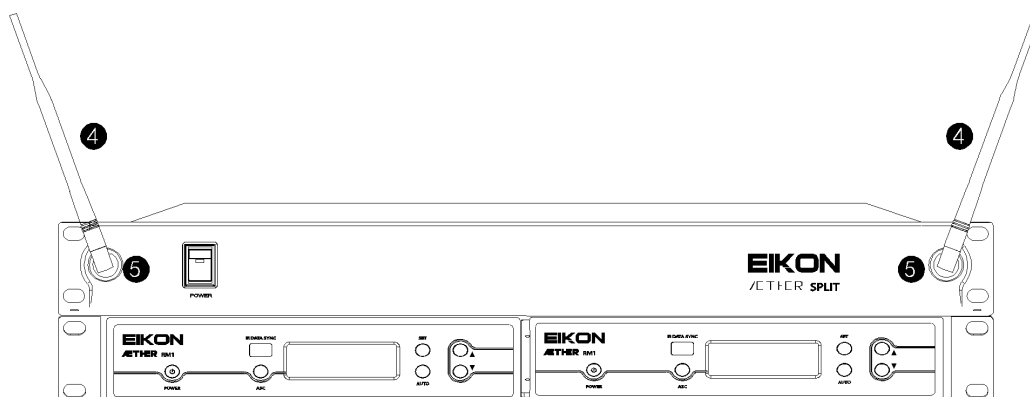
❸ Alimentatore AC



❹ Antenna BNC



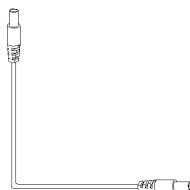
❺ Connettore BNC



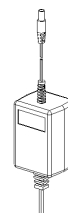
Istruzioni di cablaggio per sistema multiplo



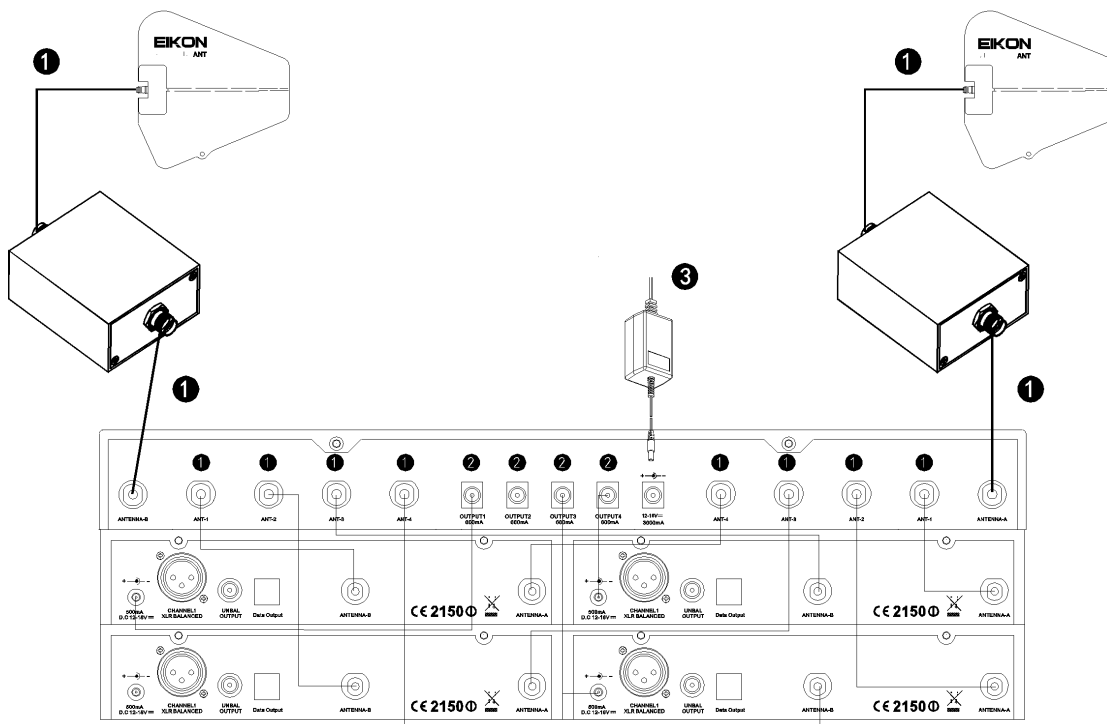
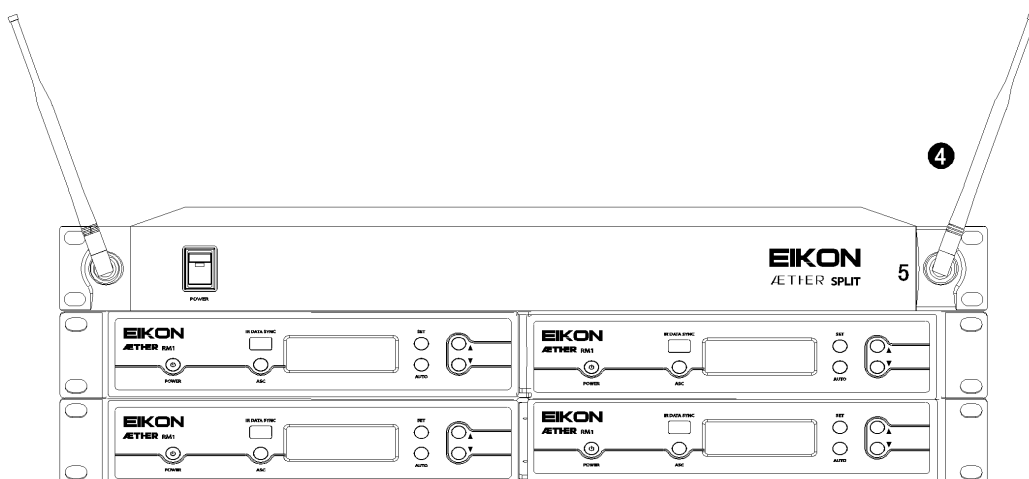
1 Cavo BNC



2 Cavo alimentazione



3 Alimentatore AC



SPECIFICHE TECNICHE

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