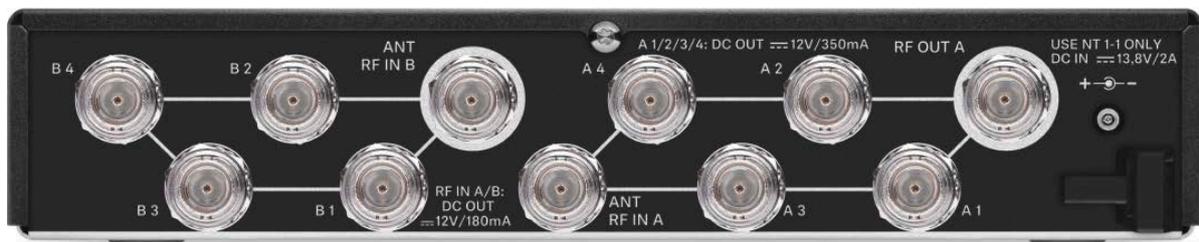
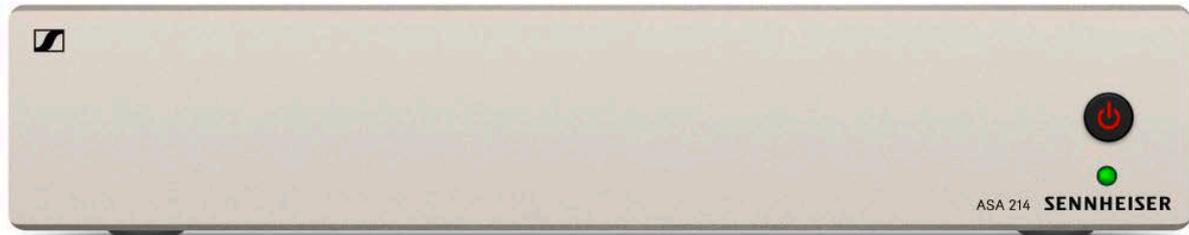




ASA 214

Active antenna splitter



The ASA 214 active antenna splitter is built in a full metal housing and ships with 8 BNC cables included. The splitter runs up to 4 receivers of the ew series with two antennas. The UHF-Version includes the NT 1-1 power supply with EU, UK and US adapters, while the ASA 214-1G8 includes the NT 1-1 with EU, UK and AU adapters.

FEATURES

- Compatible with G4 and G3 systems
- Power supply via BNC cables for EM 300-500 / EM 100 receivers. No additional power supply needed
- Up to 4 true diversity receivers can be used with two external antennas
- Full metal housing

PRODUCT VARIANTS

ASA 214-UHF	470 - 870 MHz	Art. no. 508241
ASA 214-1G8	1785 - 1800 MHz	Art. no. 508242

DELIVERY INCLUDES

- ASA 214 antenna splitter
- NT 1-1 power supply
- 8 BNC cables, 50 Ω , 50 cm
- quick guide
- safety guide

ACCESSORIES

GA 3	rack mount set	Art. no. 503167
A 1031-U	passive omni-directional antenna	Art. no. 004645
A 2003-UHF	passive directional antenna	Art. no. 003658
AD 1800	passive directional antenna, 1.8 GHz	Art. no. 504916



ASA 214

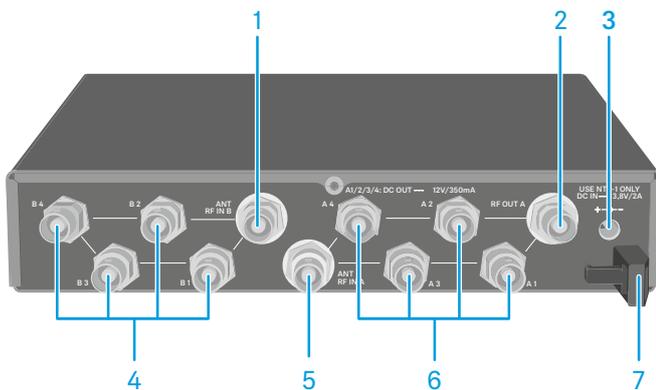
Active antenna splitter

SPECIFICATIONS

Antenna splitter	2x 1:4 or 1x 1:8, active
Connection cable	8x 50 cm BNC
Frequency range	
ASA 214-UHF:	470 - 870 MHz at -3 dB
ASA 214-1G8:	1785 - 1800 MHz at -3dB
Amplification	
In A - Out A	0 ± 1 dB
In A - Out A1 ... A4	0 ± 1 dB
In B - Out B1 ... B4	0 ± 1 dB
IIP3	20 dBm min. 23 dBm typ.
Impedance	50 Ω
Reflection loss	10 dB (all RF outputs)
Operating voltage	13.8 V DC (with power supply unit NT 1-1)
Power consumption	
ASA 214-UHF:	245 mA
ASA 214-1G8:	350 mA

Total power consumption	max. 2.0 A with 4 receivers and 2x2 antenna boosters per antenna input
Antenna booster power supply at ANT RF IN A and ANT RF IN B	12 V, 130 mA
Receiver power supply at A1 to A4	12 V (protected against reverse supply), 350 mA
Relative air humidity	5 to 95 %
Temperature range	
Operation:	-10 °C to +55 °C (14 °F to 131 °F)
Storage:	-20 °C to +70 °C (-4 °F to 158 °F)
Dimensions	approx. 212 x 168 x 43 mm
Weight	approx. 1090 g

CONNECTIONS



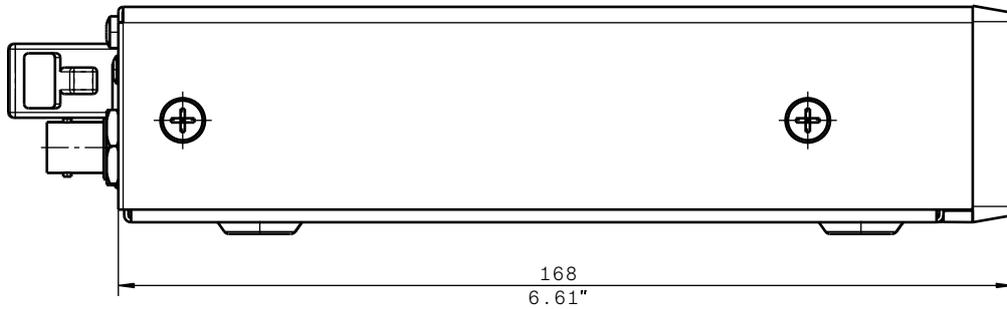
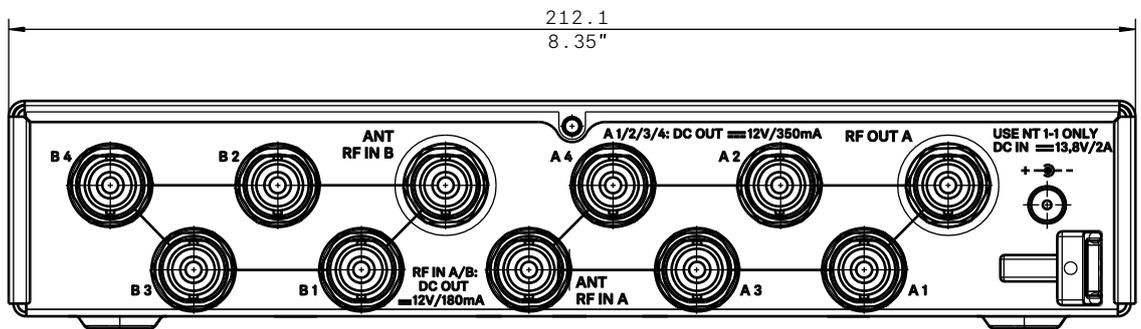
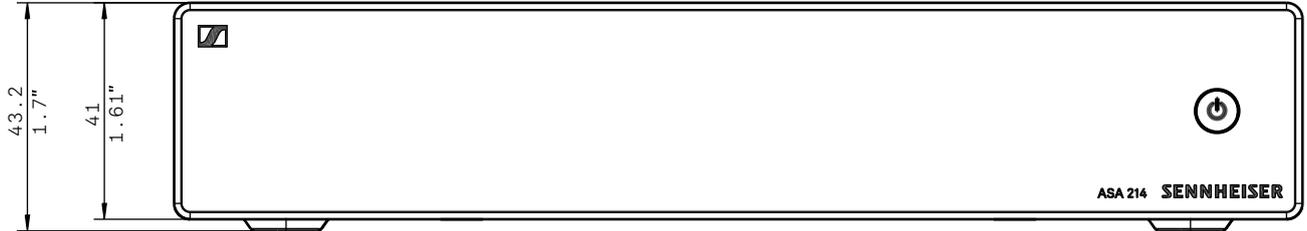
- 1. ANT RF IN B** BNC socket
Antenna input of diversity branch B
- 2. RF OUT A** BNC socket
RF output only for connecting an additional ASA 214 to build an 8-channel diversity system
- 3. DC IN** socket
To connect the NT 1-1 power supply unit
- 4. 4x BNC sockets B1 to B4**
RF outputs of diversity branch B for connection to the receiver
- 5. ANT RF IN A** BNC socket
Antenna input of diversity branch A
- 6. 4x BNC sockets A1 to A4**
RF outputs of diversity branch A for connection to the receiver
Every one of these RF outputs can also provide voltage to a receiver.
- 7. Strain relief** for the cable of the power supply unit



ASA 214

Active antenna splitter

DIMENSIONS



BLOCK DIAGRAM

