PRODUCT SPECIFICATION

AC 41
Active antenna combiner

FEATURES

• Up to 4 wireless stereo transmitters using one antenna
• Power supply via BNC cables ensures efficient powering, no need for additional power supply units for the SR IEM G4
• Compatible with ew G4 and ew G3 systems

DELIVERY INCLUDES

• AC 41 antenna combiner
• NT 3-1 power supply
• 4 BNC cables, 50 Ω, 50 cm
• quick guide
• safety guide

PRODUCT VARIANTS

AC 41-EU 470 - 870 MHz Art. no. 508243
AC 41-UK 470 - 870 MHz Art. no. 508295
AC 41-US 470 - 608 MHz Art. no. 508244

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

Active antenna combiner for evolution wireless G4 systems. The AC 41 operates up to four wireless stereo transmitters from the ew series using one shared antenna. Power is supplied to the SR IEM G4 transmitters over the BNC cables via NT 3-1 power supply (included with the AC 41), making separate power supplies for the transmitters obsolete.
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CONNECTIONS

1. **RF OUT** BNC socket
   - Antenna output
2. **RF IN 1** to **RF IN 4** BNC sockets
   - Antenna inputs with **DC OUT**
3. **DC IN** socket
   - To connect the NT 3-1 power supply unit
4. Strain relief for the cable of the power supply unit

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td>Frequency ranges</td>
<td></td>
</tr>
<tr>
<td>AC 41-EU/UK:</td>
<td>470 - 870 MHz</td>
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<tr>
<td>AC 41-US:</td>
<td>470 - 608 MHz</td>
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<tr>
<td>Transmission loss</td>
<td>0 dB (±1 dB)</td>
</tr>
<tr>
<td>RF input power max.</td>
<td>30 mW per input</td>
</tr>
<tr>
<td>Impedance</td>
<td>50 Ω</td>
</tr>
<tr>
<td>Power supply</td>
<td>13.8 V DC (with tabletop power supply unit NT 3-1)</td>
</tr>
<tr>
<td>Total power consumption max.</td>
<td>3.4 A (with connected transmitters)</td>
</tr>
<tr>
<td>Transmitter power supply on RF IN 1 to RF IN 4</td>
<td>11.4 V DC (protected against reverse supply), 350 mA</td>
</tr>
<tr>
<td>Relative air humidity</td>
<td>5 to 95 %</td>
</tr>
<tr>
<td>Temperature range</td>
<td></td>
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<tr>
<td>Operation:</td>
<td>-10 °C to +55 °C (14 °F to 131 °F)</td>
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<tr>
<td>Storage:</td>
<td>-20 °C to +70 °C (-4 °F to 158 °F)</td>
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<tr>
<td>Dimensions</td>
<td>approx. 212 x 168 x 43 mm</td>
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<tr>
<td>Weight</td>
<td>approx. 1470 g</td>
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</tbody>
</table>

BLOCK DIAGRAM

1. **RF OUT** BNC socket
2. **RF IN 1** to **RF IN 4** BNC sockets
3. **DC IN** socket
4. Strain relief for the cable of the power supply unit
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DIMENSIONS

4.3" x 1.7" x 1.61"

211.8 mm

168 mm

6.61"