



MANUAL



ENGLISH

EDGE ED-1

V1

Order code: D1485

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Warning



**For your own safety, please read this user manual carefully
before your initial start-up!**

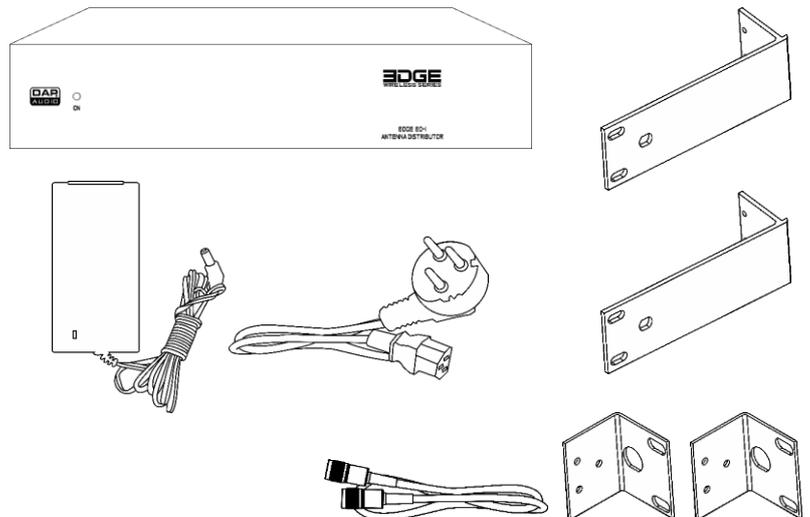


Unpacking Instructions

Immediately upon receiving this product, carefully unpack the carton and check the contents to ensure that all parts are present, and have been received in good condition. Notify the dealer immediately and retain packing material for inspection if any parts appear damaged from shipping or the carton itself shows signs of mishandling. Save the carton and all packing materials. In the event that a device must be returned to the factory, it is important that the device is returned in the original factory box and packing.

Your shipment includes:

- DAP Audio ED-1
- DC power adapter (0,9 m)
- IEC power cable (1,3 m)
- 10 x BNC connector cable (0,5 m)
- 2 x long mounting bracket
- 2 x short mounting bracket
- User manual



CAUTION!

**Keep this device away from rain and moisture!
Unplug mains lead before opening the housing!**



Safety Instructions

Every person involved with the installation, operation and maintenance of this system has to:

- be qualified
- follow the instructions of this manual.



**CAUTION! Be careful with your operations.
With a dangerous voltage you can suffer
a dangerous electric shock when touching the wires!**



Before the initial start-up, please make sure that there is no damage caused by transportation. Should there be any, consult your dealer and do not use the system.

To maintain perfect condition and to ensure a safe operation, it is absolutely necessary for the user to follow the safety instructions and warning notes written in this manual.

Please consider that damages caused by manual modifications to the system are not subject to warranty.

This system contains no user-serviceable parts. Refer servicing to qualified technicians only.

IMPORTANT:

The manufacturer will not accept liability for any resulting damages caused by the non-observance of this manual or any unauthorized modification to the device.

Before using the device, check the regulations regarding the frequency allocation in your country or region.

- Never use the device during thunderstorms, unplug the device immediately.
- Never leave various parts of the packaging (plastic bags, polystyrene foam, nails, etc.) within children's reach, as they are potential sources of danger.
- Never remove warning or informative labels from the unit.
- Never leave any cables lying around.
- Do not open the device and do not modify the device.
- Do not switch the system on and off in short intervals, as this would reduce the system's life.
- Only use device indoors, avoid contact with water or other liquids.
- Avoid flames and do not put close to flammable liquids or gases.
- Always disconnect power from the mains, when device is not used or before cleaning! Only handle the power cord by the plug. Never pull out the plug by tugging the power cord.
- Use only the supplied DC power adapter.
- Make sure that the power cord is never crimped or damaged. Check the system and the power cord from time to time.
- Make sure that the available voltage is not higher than stated on the rear panel.
- Make sure you do not use the wrong kind of cables or defective cables.
- If system is dropped or struck, disconnect the power supply immediately. Have a qualified engineer inspect for safety before operating.
- If the system has been exposed to drastic temperature fluctuation (e.g. after transportation), do not switch it on immediately. The arising condensation water might damage your system. Leave the system switched off until it has reached room temperature.
- Do not put your equipment next to TV, radio, etc., because of interference or distortion.
- Prevent distortion! Make sure that all components connected to the device have sufficient power ratings. Otherwise, distortion will be generated because the components are operated at their limits.
- If your DAP Audio device fails to work properly, discontinue use immediately. Pack the unit securely (preferably in the original packing material), and return it to your DAP Audio dealer for service.
- Please read this manual carefully and keep it for future reference.
- Repairs, servicing and electric connection must be carried out by a qualified technician.
- **WARRANTY:** Till one year after date of purchase.

Operating Determinations

- This device is not designed for permanent operation. Consistent operation breaks will ensure that the device will serve you for a long time without defects.
- The maximum ambient temperature $t_a = 40\text{ °C}$ must never be exceeded.
- The relative humidity must not exceed 50 % with an ambient temperature of 40 °C.
- If this device is operated in any other way, than the one described in this manual, the product may suffer damages and the warranty becomes void.
- Any other operation may lead to dangers like short-circuit, burns, electric shock, crash, etc.

You endanger your own safety and the safety of others!

Connection with the Mains

Connect the receiver to the mains with the supplied AC power adapter.

Always pay attention, that the right color cable is connected to the right place.

International	EU Cable	UK Cable	US Cable	Pin
L	BROWN	RED	YELLOW/COPPER	PHASE
N	BLUE	BLACK	SILVER	NEUTRAL
	YELLOW/GREEN	GREEN	GREEN	PROTECTIVE GROUND

Make sure that the device is always connected properly to the earth!

Improper installation can cause serious damage to people and property!



Return Procedure

Returned merchandise must be sent prepaid and in the original packing, call tags will not be issued. Package must be clearly labeled with a Return Authorization Number (RMA number). Products returned without an RMA number will be refused. Highlite will not accept the returned goods or any responsibility. Call Highlite 0031-455667723 or mail offersales@highlite.com and request an RMA prior to shipping the fixture. Be prepared to provide the model number, serial number and a brief description of the cause for the return. Be sure to properly pack fixture, any shipping damage resulting from inadequate packaging is the customer's responsibility. Highlite reserves the right to use its own discretion to repair or replace product(s). As a suggestion, proper UPS packing or double-boxing is always a safe method to use.

Note: If you are given an RMA number, please include the following information on a piece of paper inside the box:

- 01) Your name
- 02) Your address
- 03) Your phone number
- 04) A brief description of the symptoms

Claims

The client has the obligation to check the delivered goods immediately upon delivery for any shortcomings and/or visible defects, or perform this check after our announcement that the goods are at their disposal. Damage incurred in shipping is the responsibility of the shipper; therefore the damage must be reported to the carrier upon receipt of merchandise.

It is the customer's responsibility to notify and submit claims with the shipper in the event that a fixture is damaged due to shipping. Transportation damage has to be reported to us within one day after receipt of the delivery.

Any return shipment has to be made post-paid at all times. Return shipments must be accompanied with a letter defining the reason for return shipment. Non-prepaid return shipments will be refused, unless otherwise agreed in writing.

Complaints against us must be made known in writing or by fax within 10 working days after receipt of the invoice. After this period complaints will not be handled anymore.

Complaints will only then be considered if the client has so far complied with all parts of the agreement, regardless of the agreement of which the obligation is resulting.

Description of the Device

The EDGE ED-1 is an antenna distributor that can be used with the EDGE wireless handheld system. The EDGE is suitable for voice transmission.

Features

- Power supply: DC 12 V, 5 A
- Power consumption: 200 mA
- Maximum power consumption: 2 A
- Through ANT RF IN A/ANT RF IN B power to antenna distributor: 12 V, 500 mA
- Through A1 to A4 power to receiver: 12 V (prevent feedback power), 500 mA
- Relative air humidity: 5–95 %
- Frequency range: 470–980 MHz (-3 dB)
- IN A-OUT A: 0 ± 1 dB
- IN A-OUT A1 to A4: 0 ± 1 dB
- IN B-OUT B1 to B4: 0 ± 1 dB
- IIP3: 20 dBm (minimum/classical)
- Impedance: 50Ω
- Reflection loss: 10 dB (all high frequency output)
- Connections: 12 x BNC OUT
- IP rating: IP 20
- Housing: Metal & flame-retardant plastic
- Color: Black
- Operation temperature: $-10 \text{ }^\circ\text{C}$ to $40 \text{ }^\circ\text{C}$
- Dimensions: 215 x 151 x 44,5 mm (LxWxH)
19" x 1U (LxH)
- Weight: 1,02 kg

Front

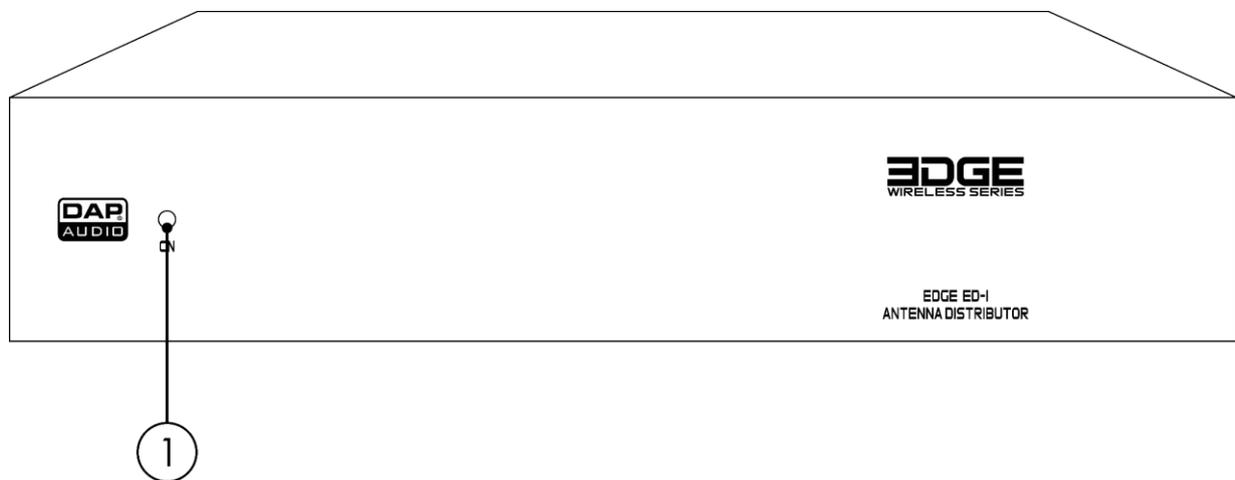


Fig. 01

01) LED power indicator

Back

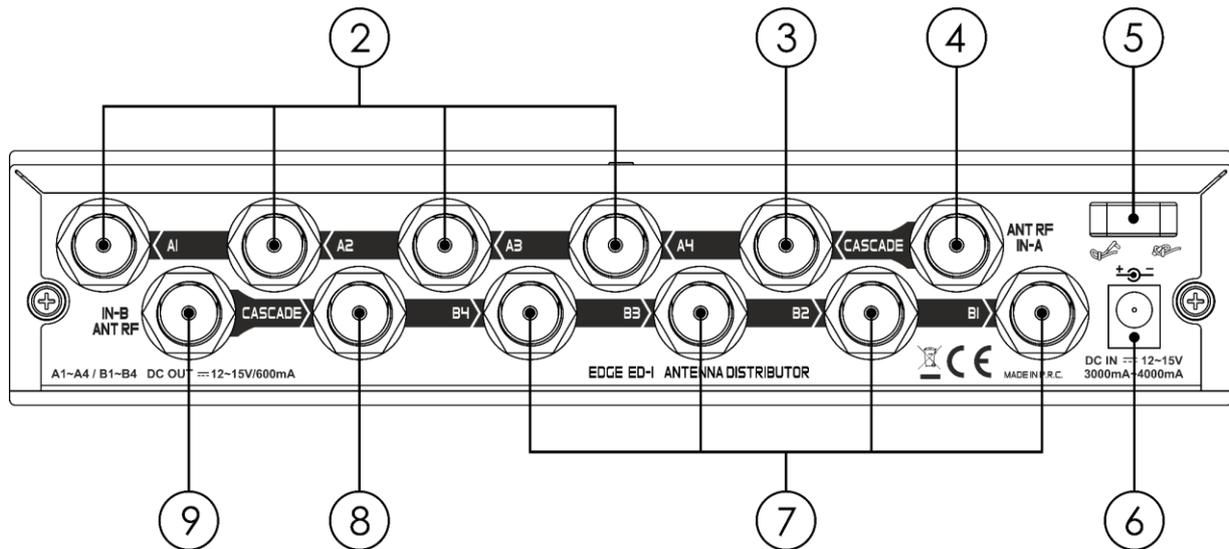


Fig. 02

- 02) A1–A4, BNC connector OUT
Use these connectors to connect the EDGE EHS-1 receivers. Each high-frequency output can supply power to the receiver.
- 03) RF A, BNC connector OUT
Use this connector to connect another ED-1, in order to create 8-channel diversity high-frequency output.
- 04) Antenna A connector IN
- 05) Power cable safety eye
- 06) DC 12 V power adapter IN
- 07) B1–B4, BNC connector OUT
Use these connectors to connect the EDGE EHS-1 receivers. Each high-frequency output can supply power to the receiver.
- 08) RF B, BNC connector OUT
Use this connector to connect another ED-1, in order to create 8-channel diversity high-frequency output.
- 09) Antenna B connector IN

Installation

Remove all packing materials from the EDGE ED-1. Check if all foam and plastic padding is removed. Secure the equipment into a 19" rack if preferred. Connect the device to a power outlet with the supplied DC power adapter. Connect all cables.

Always disconnect from electric mains power supply before cleaning or servicing.
Damages caused by non-observance are not subject to warranty.

Mounting

Step 1

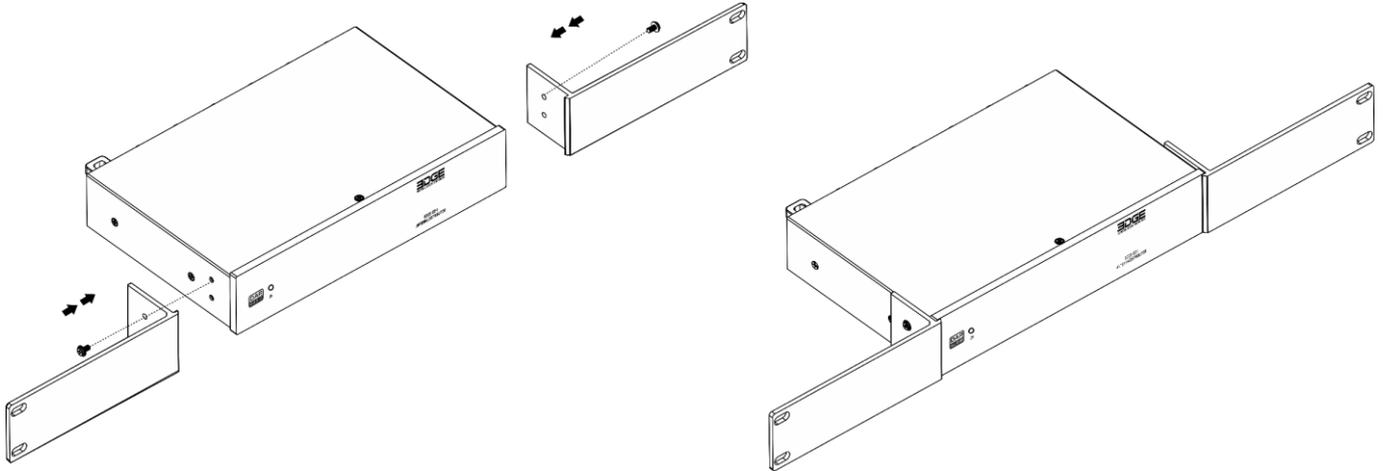


Fig. 03

Step 2



Fig. 04

Setup Examples

1 x EDGE ED-1

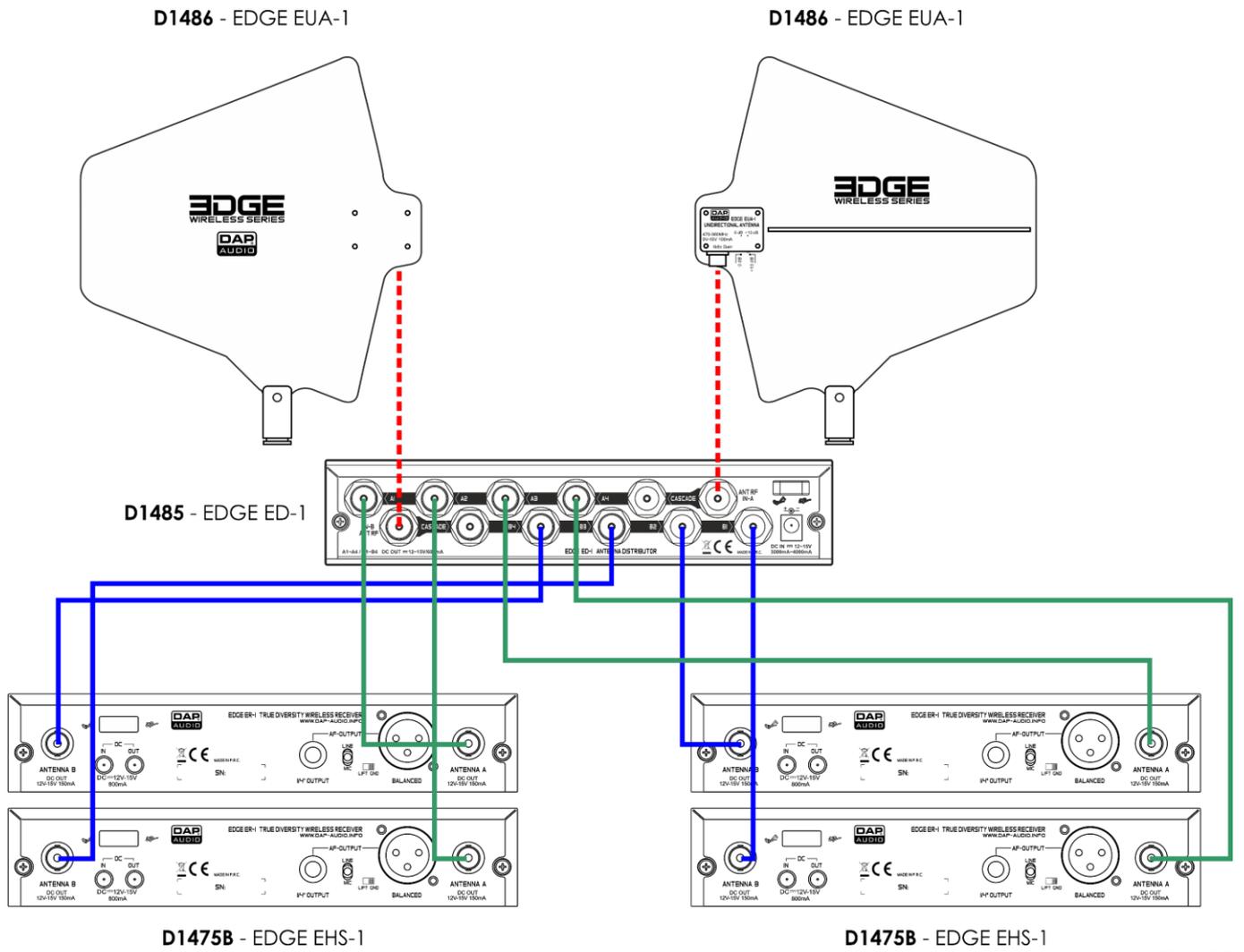


Fig. 05

2 x EDGE ED-1

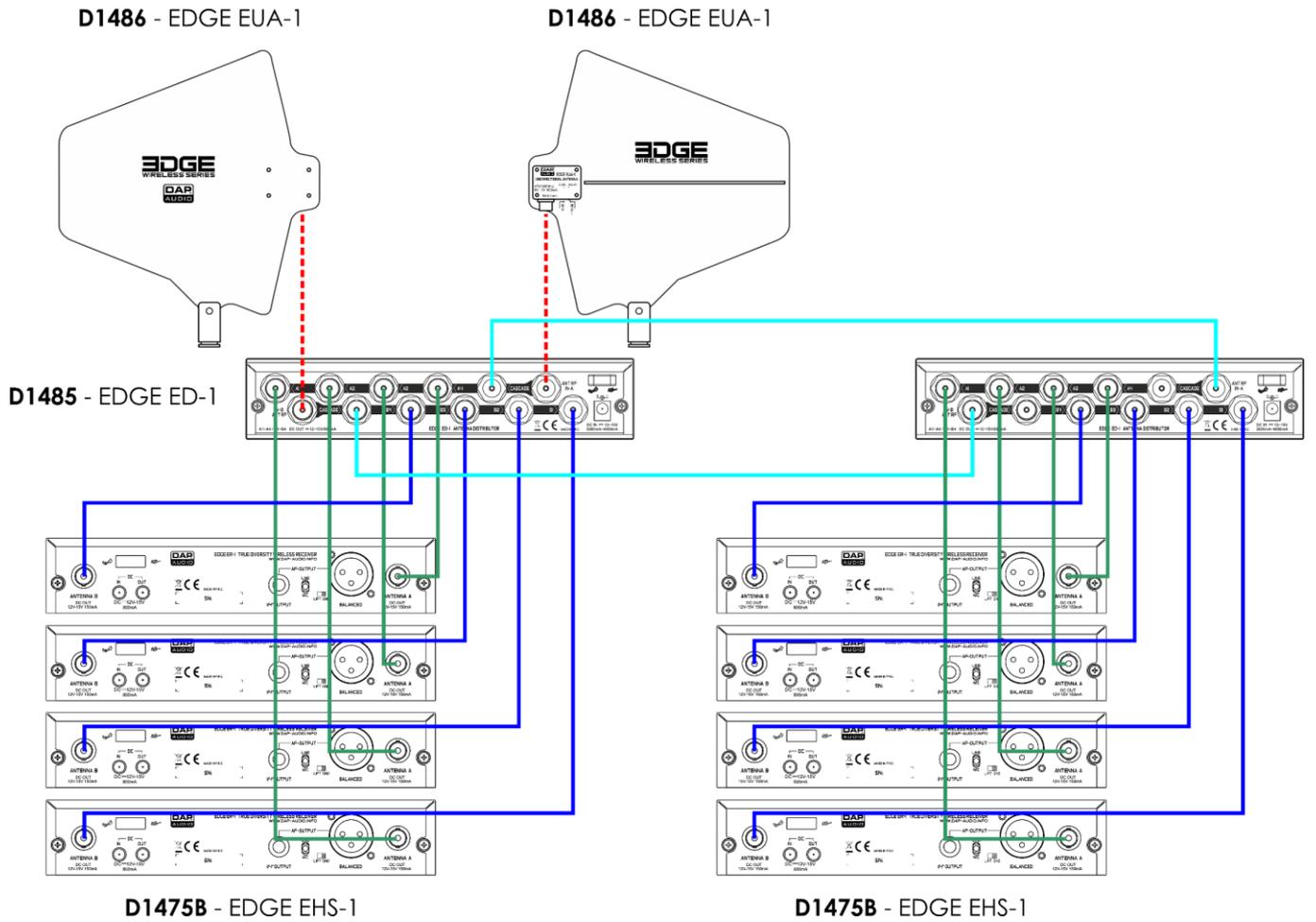


Fig. 06

Setup and Operation

Follow the directions below, as they pertain to your preferred operation mode. **Before using the device, check the regulations regarding the frequency allocation in your country or region.** Before plugging the unit in, always make sure that the power supply matches the product specification voltage.

- 01) Connect all devices and cables.
- 02) Connect the supplied power adapter to the **DC power connector (06)** on the rear of the receiver.
- 03) Plug the power adapter into a power outlet. Use only the supplied power adapter to connect the device.

Block Diagram

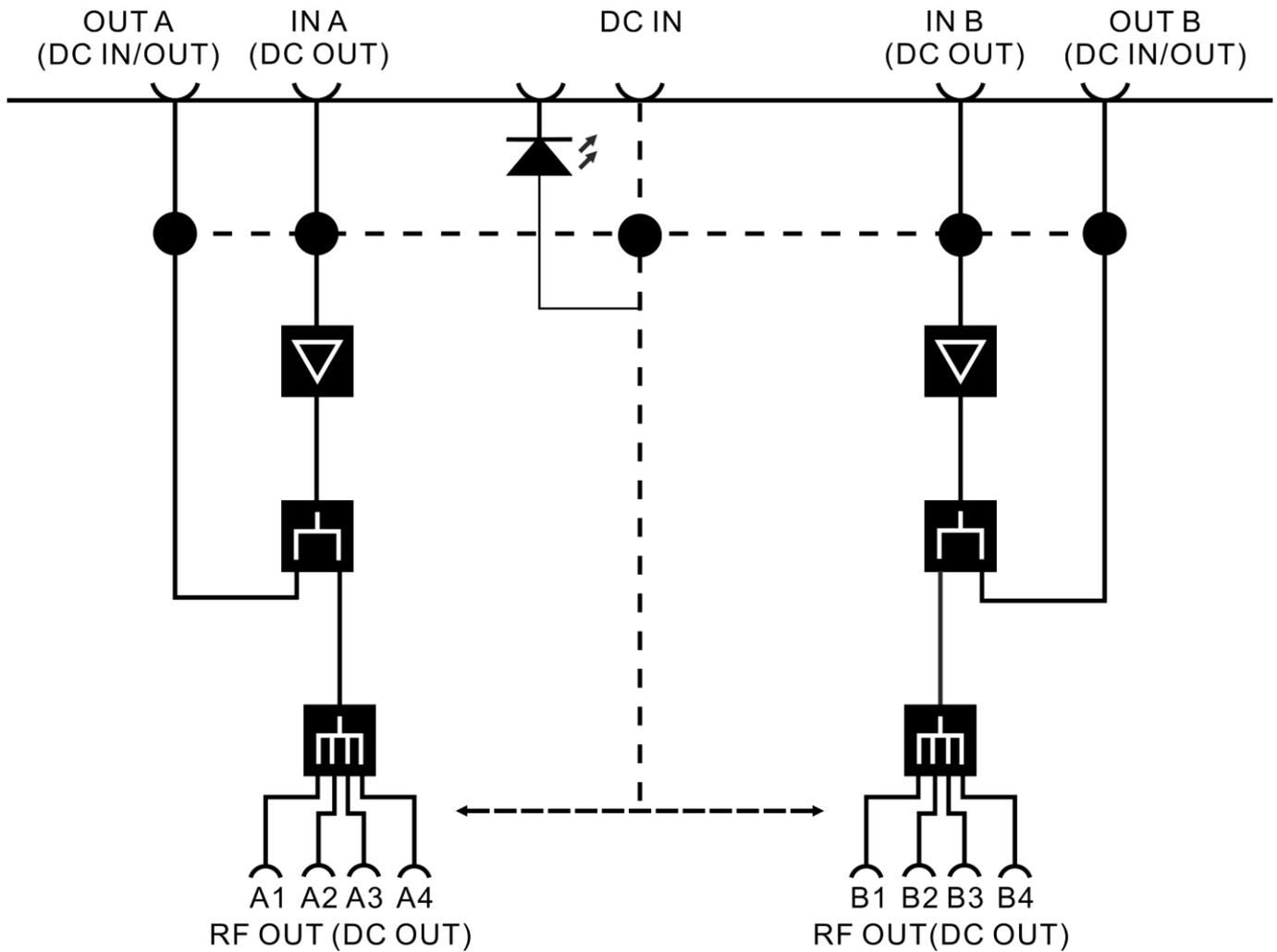


Fig. 07

Maintenance

The DAP Audio EDGE ED-1 requires almost no maintenance. However, you should keep the unit clean. Disconnect the mains power supply, and then wipe the cover with a damp cloth. Do not immerse in liquid. Do not use alcohol or solvents.

Keep connections clean. Disconnect electric power, and then wipe the audio connections with a damp cloth. Make sure connections are thoroughly dry before linking equipment or supplying electric power.

Troubleshooting

DAP Audio EDGE ED-1

This troubleshooting guide is meant to help solve simple problems. If you are unable to determine the cause of the problem, do not open the unit, as this may damage the device and the warranty will be deemed void. Return the device to your DAP Audio dealer.

Problem	Solution
No sound	<ul style="list-style-type: none"> Make sure the antenna distributor is on.
No sound	<ul style="list-style-type: none"> Make sure the power adapter is plugged into the appropriate power outlet and into the DC power connector IN (06). Make sure the AC electrical output works and supplies proper voltage.
No sound	<ul style="list-style-type: none"> Turn up the volume on the receiver and/or the transmitter and/or the speaker. Make sure the output connections between the receiver and external equipment are in order.
No sound	<ul style="list-style-type: none"> Make sure that the transmitter and the receiver use the same frequency. Move the transmitter closer to the receiver.
Bursts of noise or other audible signals present	<ul style="list-style-type: none"> Adjust the squelch threshold. Identify potential sources of interference (other RF sources) and turn them off.
Momentary loss of sound as transmitter is moved around the performance area.	<ul style="list-style-type: none"> Reposition the receiver and perform a walk-through test again. If audible drop-outs persist, mark the dead spots and avoid them during performance.

Approval

The DAP Audio EDGE ED-1 is a Class 2 wireless audio device (Commission Decision 2000/299/EC).

Frequency range: 470–980 MHz (-3 dB)

	BE	BG	CZ	DK	DE	EE	IE	EL	ES	
	FR	HR	IT	CY	LV	LT	LU	HU	MT	
	NL	AT	PL	PT	RO	SI	SK	FI	SE	UK

Exclusion of liability

The frequency ranges available for wireless microphones differ per country and region. Consult the respective national and/or regional authorities as licensing or specific restrictions may apply for the use of the device. We do not take any responsibility in case the device cannot operate or be used in your country/region or if it requires additional licensing. Before using the device, check the allowed frequencies in your country or region.

Be aware that in some countries you are allowed to partly use the frequency range of the device. Consult your local authorities for the latest information and regulations.

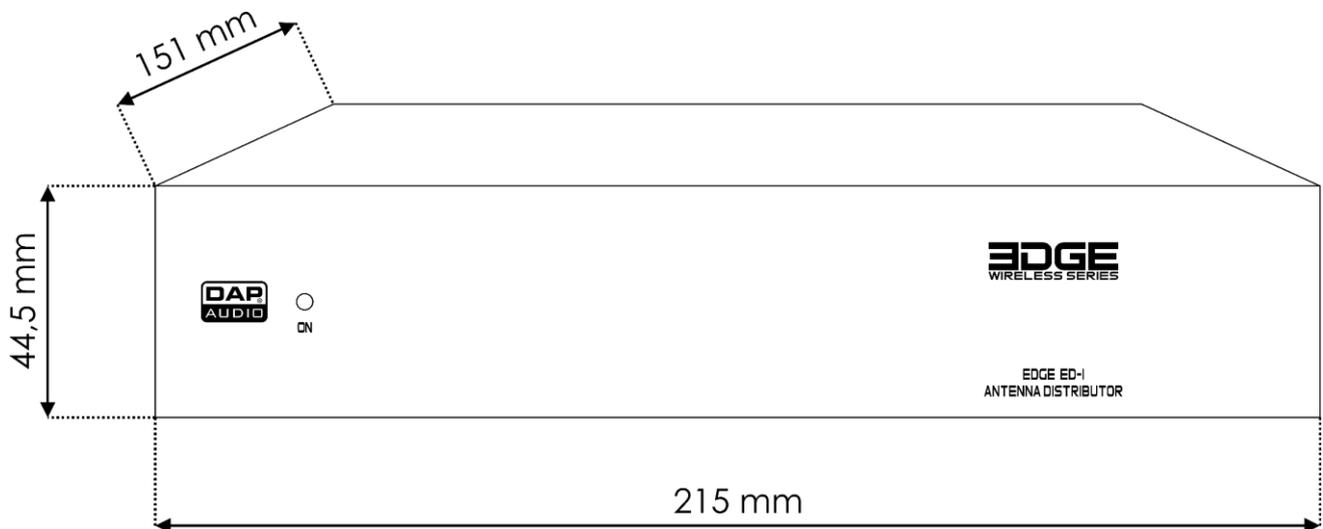
Spectrum authorities in the EU countries:

Belgium	Belgian Institute for Postal Services and Communications	www.bipt.be
Bulgaria	Communications Regulation Commission	www.crc.bg
Czech Republic	Czech Telecommunication Office	www.ctu.cz
Denmark	Danish Energy Agency	www.ens.dk
Germany	Die Bundesnetzagentur	www.bundesnetzagentur.de
Estonia	Technical Regulatory Authority	www.tja.ee
Ireland	Commission for Communications Regulation	www.comreg.ie
Greece	Hellenic Telecommunications and Post Commission	www.eett.gr

Spain	Secretaría de Estado para el Avance Digital	www.mineco.gob.es
France	Agence Nationale des Fréquences	www.anfr.fr
Croatia	Regulatory Authority for Network Industries	www.hakom.hr
Italy	Istituto Superiore delle Comunicazioni e delle Tecnologie dell'Informazione	www.isticom.it
Cyprus	Department of Electronic Communications	www.mcw.gov.cy
Latvia	Electronic Communications Office	www.vases.lv
Lithuania	Communications Regulatory Authority	www.rtt.lt
Luxembourg	Institut Luxembourgeois de Régulation	www.ilr.lu
Hungary	National Communications Authority	www.nmhh.hu
Malta	Malta Communications Authority	www.mca.org.mt
Netherlands	Agentschap Telecom	www.agentschaptelecom.nl
Austria	Rundfunk und Telekom Regulierungs-GmbH	www.rtr.at
Poland	Office of Electronic Communications	www.uke.gov.pl
Portugal	Autoridade Nacional de Comunicações	www.anacom.pt
Romania	National Authority for Management and Regulation in Communications	www.ancom.org.ro
Slovenia	Agency for Communication Networks and Services	www.akos-rs.si
Slovakia	Regulatory Authority for Electronic Communications and Postal Services	www.teleoff.gov.sk
Finland	Finnish Transport and Communications Agency	www.traficom.fi
Sweden	Post and Telecom Authority	www.pts.se
United Kingdom	Office of Communications	www.ofcom.org.uk
Spectrum authorities in the EFTA countries:		
Iceland	Post and Telecom Administration	www.pfs.is
Liechtenstein	Amt für Kommunikation	www.llv.li
Norway	Norwegian Communications Authority	www.nkom.no
Switzerland	Federal Office of Communications	www.bakom.admin.ch
Spectrum authorities in the EU candidate countries:		
Montenegro	Agency for Electronic Communications and Postal Services	www.ekip.me
Republic of North Macedonia	Agency for Electronic Communications	www.aek.mk
Albania	Electronic and Postal Communications Authority	www.akep.al
Serbia	Regulatory Agency for Electronic Communications and Postal Services	www.ratel.rs
Turkey	Information and Communications Technologies Authority	www.btk.gov.tr

Product Specifications

Model:	DAP Audio EDGE ED-1
Power supply:	DC 12 V, 5 A
Power consumption:	200 mA
Maximum power consumption:	2 A
Through ANT RF IN A/ANT RF IN B power to antenna distributor:	12 V, 500 mA
Through A1 to A4 power to receiver:	12 V (prevent feedback power), 500 mA
Dimensions:	215 x 151 x 44,5 mm (LxWxH) 19" x 1U (LxH)
Weight:	1,02 kg
Features	
Frequency range:	470–980 MHz (-3 dB)
Impedance:	50 Ω
IN A-OUT A:	0 \pm 1 dB
IN A-OUT A1 to A4:	0 \pm 1 dB
IN B-OUT B1 to B4:	0 \pm 1 dB
IIP3:	20 dBm (minimum/classical)
Reflection loss:	10 dB (all high frequency output)
Connections:	12 x BNC OUT
Relative air humidity:	5–95 %
Operation temperature:	-10 °C to 40 °C
IP rating:	IP 20
Housing:	Metal & flame-retardant plastic
Color:	Black
Max. ambient temperature t_a :	40 °C
Max. housing temperature t_B :	70 °C



Design and product specifications are subject to change without prior notice.



Website: www.Dap-audio.info
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