



ER-1193B

ORDERCODE D145073B
ORDERCODE D145082B



Highlite International B.V.

Vestastraat 2
6468 EX Kerkrade
The Netherlands

SHOWELECTRONICS FOR PROFESSIONALS

Congratulations!

You have bought a great, innovative product from DAP Audio.

The DAP Audio ER-1193B brings excitement to any venue. Whether you want simple plug-&-play action or a sophisticated show, this product provides the effect you need.

You can rely on DAP Audio, for more excellent audio products.

We design and manufacture professional audio equipment for the entertainment industry.

New products are being launched regularly. We work hard to keep you, our customer, satisfied.

For more information: iwant@dap-audio.info

You can get some of the best quality, best priced products on the market from DAP Audio.

So next time, turn to DAP Audio for more great audio equipment.

Always get the best -- with DAP Audio !

Thank you!



DAP Audio

DAP Audio ER-1193B™ Product Guide

Warning	3
Unpacking Instructions	3
Safety Instructions	3
Operating Determinations.....	4
Return Procedure	4
Claims	4
Description of the device	5
Features	5
Overview	5
Installation	6
Set Up and Operation	6
Menu Options	6
Frequency Set Menu.....	6
Scan Menu	7
Approval	9
CE Certificate	10
Connection Cables	12
Maintenance	13
Troubleshooting	13
Product Specification	14

Warning



CAUTION!



Keep this system away from rain and moisture!

**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 fixture must be returned to the factory, it is important that the fixture be returned in the original factory box and packing.

Your shipment includes:

- 1x DAP ER-1193B
- 2x Antenna
- 1x AC-adaptor DC12V/500mA
- 1x Jack cable 1,5m
- This user manual

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 you 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 system.

- Never remove warning or informative labels from the unit.
- Never use anything to cover the ground contact.
- Never leave any cables lying around.
- Do not connect this system to a dimmerpack.
- Do not switch the system on and off in short intervals, as this would reduce the system's life.
- Do not open the device and do not modify the device.
- Only use system indoor, 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 system is not used.
- Only handle the AC-adaptor by the plug. Never pull out the adaptor by tugging the cord.
- Make sure you don't use the wrong kind of cables or defective cables.
- Make sure that the power adaptor matches the voltage and current stated on the rear panel.
- Make sure that the power adapter housing and cord is not damaged.
- Please turn off the power of all equipment before making connections to other devices.
- If system is dropped or struck, disconnect the power adaptor 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.
- 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.
- Repairs, servicing and electric connection must be carried out by a qualified technician.
- For replacement use fuses of same type and rating only.

Operating Determinations

If this system 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, etc.

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 aftersales@highlite.nl and request an RMA prior to shipping the device. Be prepared to provide the model number, serial number and a brief description of the cause for the return. Be sure to properly pack the device, 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:

- 1) Your name
- 2) Your address
- 3) Your phone number
- 4) 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 device 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

Features

The ER1193 is a single Channel 193 Freq. PLL Receiver

- 193 selectable UHF Frequencies.
- Available for 1 transmitter.
- True diversity technology permits minimum dropouts in the RF link.
- PLL synthesized technology for multi-channels.
- Compact half-rack metal housing for space saving.

Overview

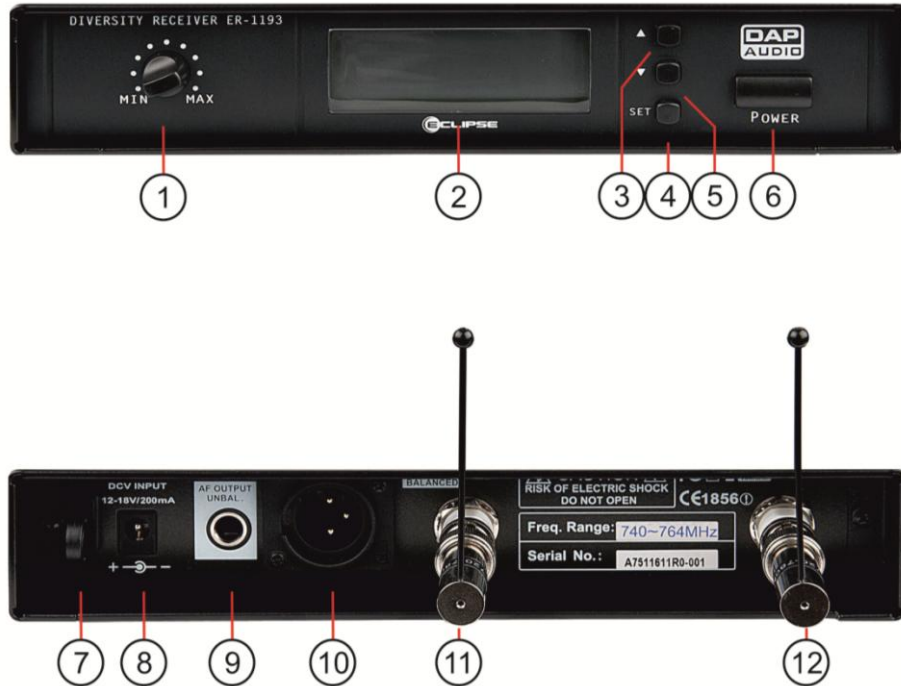


Fig. 1

- 1) Volume Control
- 2) Display
- 3) Up Button
- 4) Set Button
- 5) Down Button
- 6) Power On/Off Switch
- 7) Cable Hook
- 8) Power Input Connector 12-18V/200mA
- 9) Audio Output Connector Unbalanced 1/4" jack plug connector
- 10) Audio Output Connector Balanced XLR connector male
- 11) Antenna A connector.
- 12) Antenna B connector.

Installation

Remove all packing materials from the ER-1193B. Check that all foam and plastic padding is removed. Put the 2 antennas into socket A and B at the backside in a vertical angle.

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

Set Up and Operation

Before plugging the unit in, always make sure that the power supply matches the product specification voltage. Do not attempt to operate a 120V specification product on 230V power, or vice versa.

Press the powerswitch to turn the ER-1193B on.

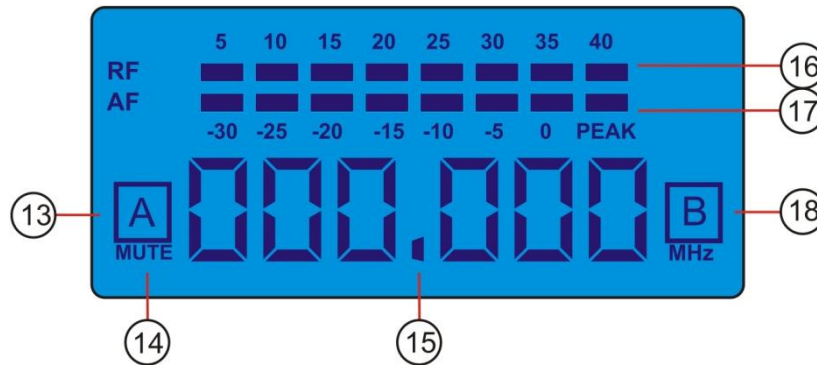


Fig. 4

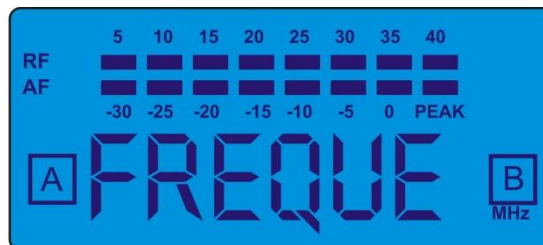
- 13) A Receiving Channel Indicator
- 14) Mute Indicator
- 15) Audio Frequency Indicator
- 16) Signal Channel Indicator
- 17) RF Indicator
- 18) B Receiving Channel Indicator

Menu Options

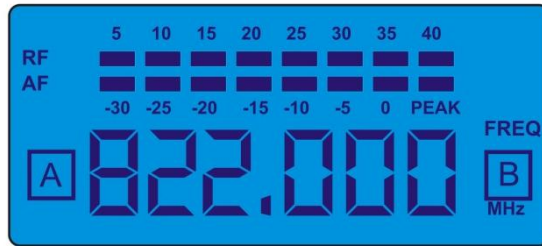
1. Frequency
2. Scan

Frequency Set Menu

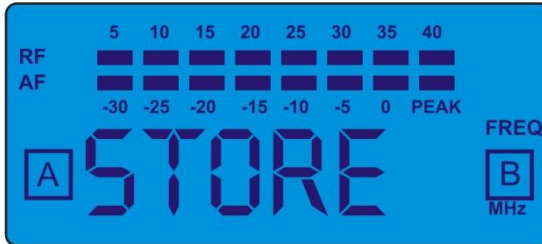
Press the **set(4)** button for 3 seconds, the LCD shows:



after a second the display shows:



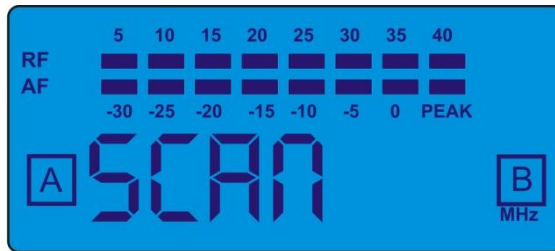
You can now change the frequency with the **up(3)** or **down(5)** buttons (steps of 0.250 MHz to change the frequency). To confirm you have to press the **set(4)** button. Now the display will briefly look as shown below.



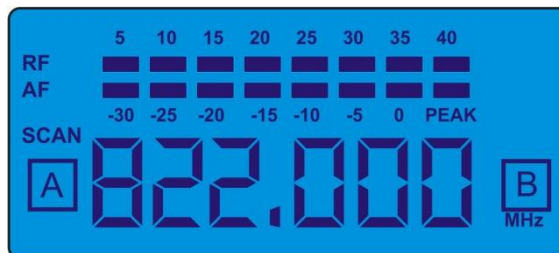
If you don't press the **set(4)** button, FREQ in the LCD display will keep flashing.

Scan Menu

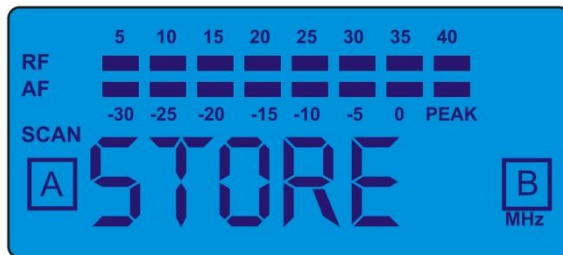
Press the **set(4)** button for three 3 seconds. Now you're in the Frequency set menu, press the **set(4)** button again to enter Scan Mode, the LCD shows:



after a second the display shows:

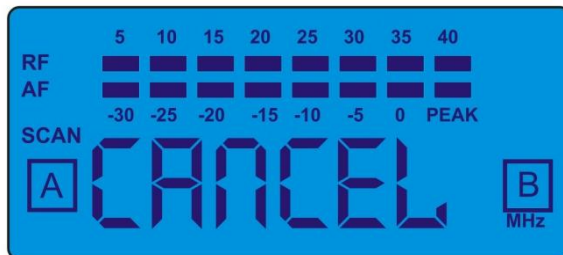


By pressing either the **up(3)** or **down(5)** button the system will start a forward or a downward search until the system finds a wireless transmitter with sufficient signal strength. If a signal of sufficient strength is found, the display will show STORE as shown below.



Press the **set(4)** button to store the frequency.

Pressing the set button again will abort the scan mode. The display will briefly look as shown below:



Approval

The DAP D145073B and the D145082B are Class II wireless devices.

D145073B: 740-764 MHz for use in: Austria, Belgium, Denmark, France, Luxemburg, Netherlands, Poland, Sweden, Switzerland, Turkey.

D145082B: 822-846 MHz for use in: Germany, France, Luxemburg, Poland, Turkey.

Exclusion of liability

The frequency tables in this publication are made according to national laws and regulations. The frequencies are checked on a regular basis. We don't take any responsibility for eventual discrepancies between our listed frequencies and the frequencies actually approved in a given country. We strongly suggest you to inform in your own country or region for any changes or adaptations regarding the allowed frequencies.

Be aware that in some countries, you are only allowed to partly use the frequency range of the device. If your country is not listed above it is still possible that there are exceptions. Therefore, we strongly advise you to consult your local authority as listed below:

Telecoms & Postal Regulatory Authorities in Europe

Austria: Rundfunk und Telekom Regulierungs-GmbH	www.rtr.at
Belgium: Belgian Institute of postal services and telecommunications (BIPT)	www.bipt.be
Czech Republic: Czech Telecommunication Office	www.ctu.cz
Denmark: National Telecom Agency	www.tst.dk
Finnland: Finnish Communications Regulatory Authority (FICORA)	www.ficora.fi
France: Autorité de Régulation des Télécommunications (ART)	www.art-telecom.fr
Germany: Die Bundesnetzagentur	www.bundesnetzagentur.de
Greece: National Telecommunications Commission (EET)	www.eett.gr
Hungary: Communication Authority (HIF)	www.hif.hu
Iceland: Post and Telecom Administration (PTA)	www.pta.is
Ireland: Commission for Communications Regulation (ComReg)	www.comreg.ie
Italy: Italian Communications Authority (AGC)	www.agcom.it
Latvia: Telecommunication State Inspection	www.vei.lv
Liechtenstein: Office for Communications (AK)	www.ak.li
Lithuania: Radio Administration	www.rrt.lt
Luxembourg: Institut Luxembourgeois des Télécommunications (ILT)	www.etat.lu/ILT
Netherlands: Onafhankelijke Post en Telecommunicatie Autoriteit (OPTA)	www.opta.nl
Agentschap Telecom	www.agentschap-telecom.nl
Ministry of Economic Affairs	www.ez.nl
Norway: Norwegian Post and Telecommunications Authority (NPT)	www.npt.no
Poland: Urząd Regulacji Telekomunikacji (URT)	www.urt.gov.pl
Portugal: Autoridade Nacional De Comunicações (ICP-Anacom)	www.anacom.pt
Slovenia: Agencija za telekomunikacije, radiodifuzijo in pošto	www.atrp.si



DECLARATION OF CONFORMITY

Supplier Details

Name

Highlite International BV

Address

Vestastraat 2
6468EX Kerkrade
The Netherlands

Product Details

Product Name

ER-1193B 1Ch 193 Freq 740-764 MHz PPL Receiver Black

Ordercode

D145073B

Trade Name

DAP AUDIO

Applicable Standards Details

R&TTE Directives : 1999/5/EC

Applied Specifications / Standards

Safety	EN 60065: 2002+A1: 2006 +A11: 2008
	EN 50371: 2002
EMC	EN 301 489-1 V 1.8.1
	EN 301 489-9 V 1.4.1
RF Spectrum	EN 300 422-2V 1.2.2

The product shall be marked with the CE conformity marking and our Notified Body number as shown on the right.

CE1856

Supplementary Information

The conformity to above standards is verified by TÜV Rheinland (Notified Body).

Declaration

I hereby declare under our sole responsibility that the product mentioned above to which this declaration relates complies with the above mentioned standards and Directives

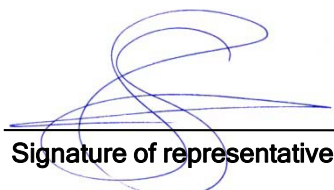
Name

Issued Date

S. ildiz

Dec. 17, 2010

Highlite International BV.
Vestastraat 2, 6468 EX Kerkrade,
The Netherlands


Signature of representative



DECLARATION OF CONFORMITY

Supplier Details

Name

Highlite International BV

Address

Vestastraat 2
6468EX Kerkrade
The Netherlands

Product Details

Product Name

ER-1193B 1Ch 193 Freq 822-846 Black

Ordercode

D145082B

Trade Name

DAP AUDIO

Applicable Standards Details

R&TTE Directives : 1999/5/EC

Applied Specifications / Standards

Safety	EN 60065: 2002+A1: 2006 +A11: 2008
	EN 50371: 2002
EMC	EN 301 489-1 V 1.8.1
	EN 301 489-9 V 1.4.1
RF Spectrum	EN 300 422-2V 1.2.2

The product shall be marked with the CE conformity marking and our Notified Body number as shown on the right.

CE1856!

Supplementary Information

The conformity to above standards is verified by TÜV Rheinland (Notified Body).

Declaration

I hereby declare under our sole responsibility that the product mentioned above to which this declaration relates complies with the above mentioned standards and Directives

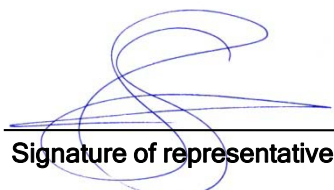
Name

Issued Date

S. ildiz

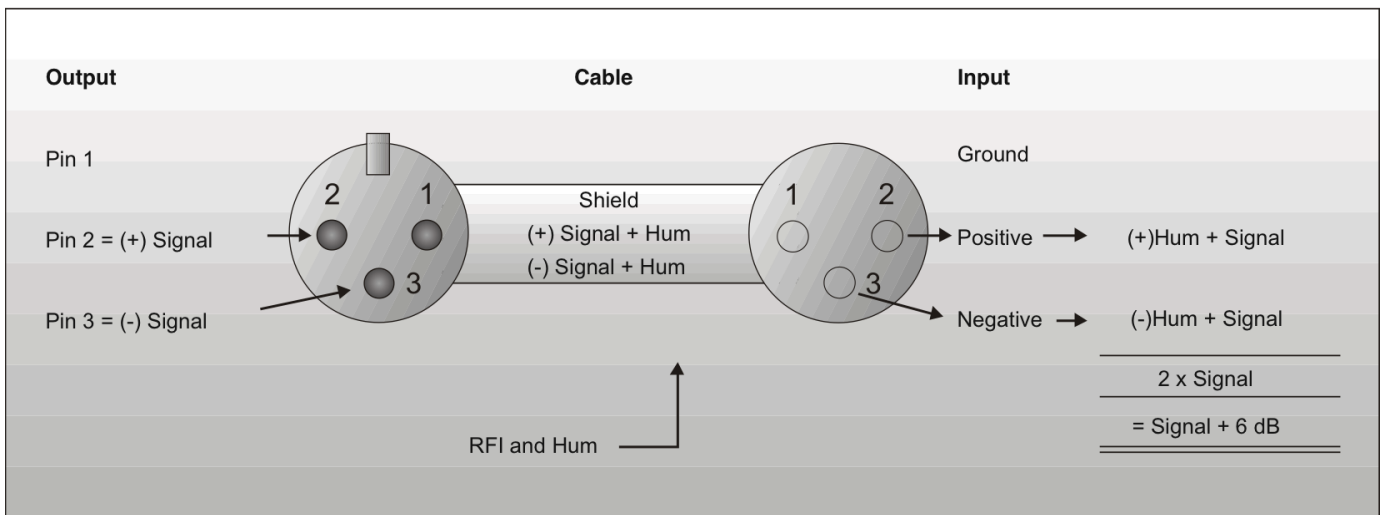
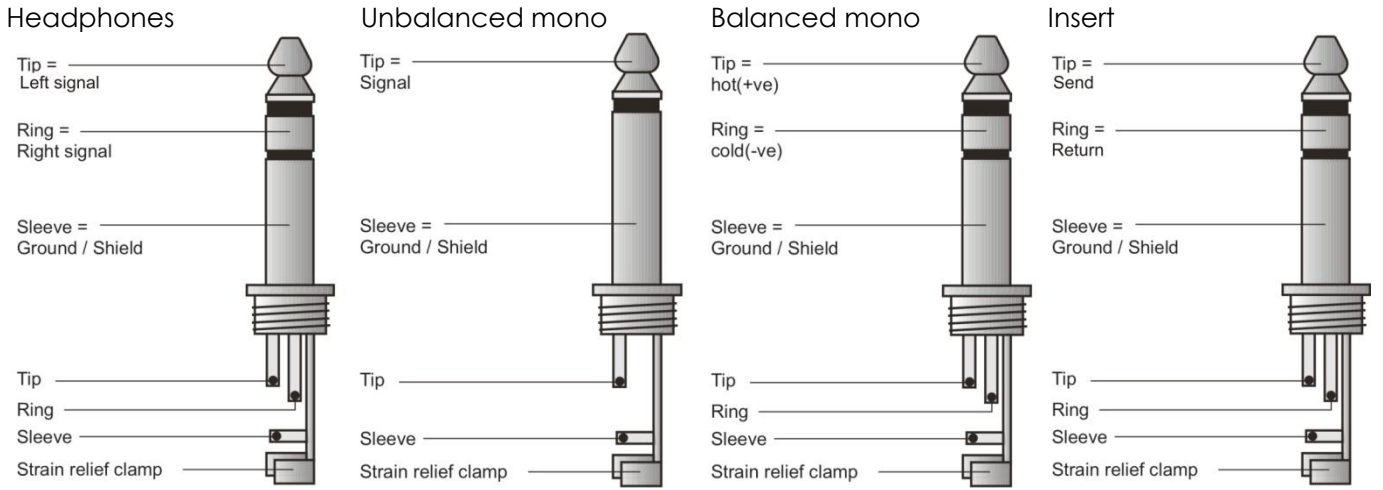
Dec. 17, 2010

Highlite International BV.
Vestastraat 2, 6468 EX Kerkrade,
The Netherlands

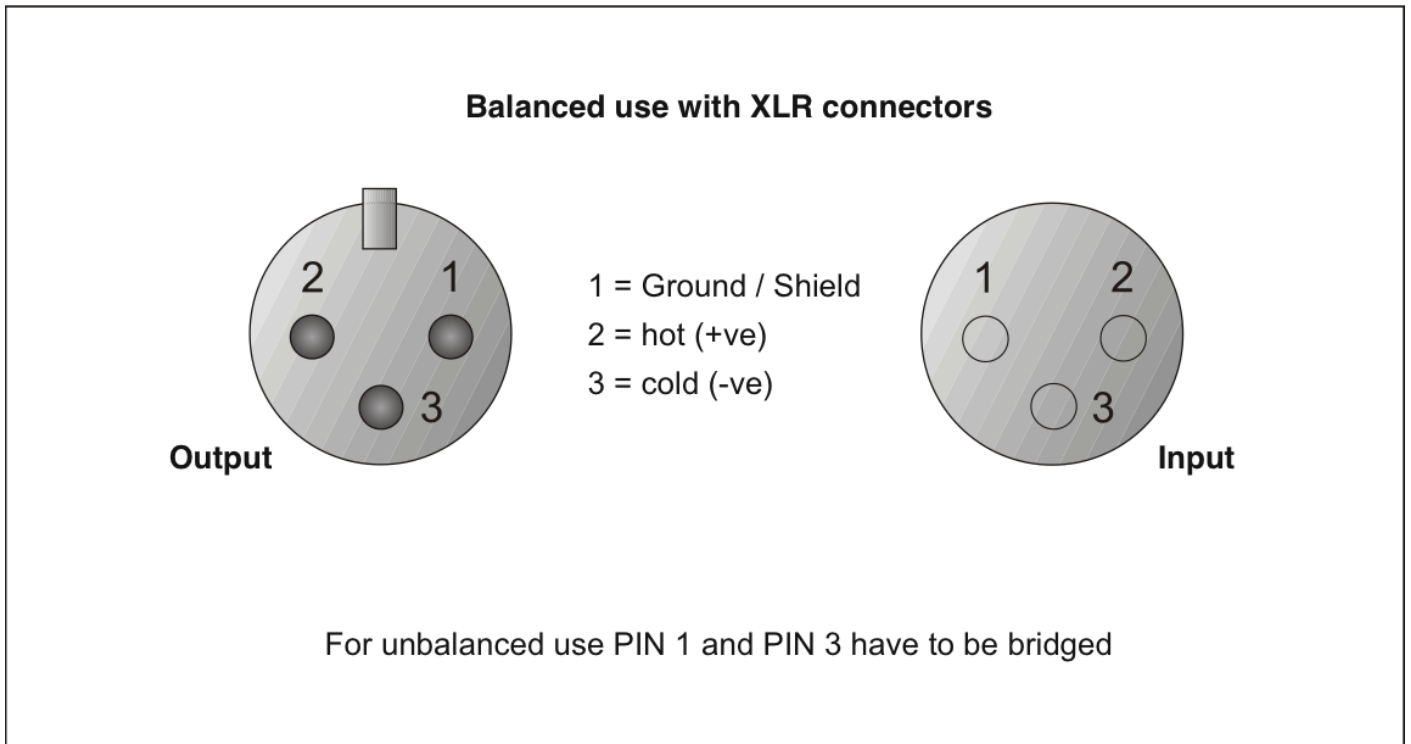

Signature of representative

Connection Cables

Take care of your cables, always holding them by the connectors and avoiding knots and twists when coiling them: This gives the advantage of increasing their life and reliability. Periodically check your cables. A great number of problems (faulty contacts, ground hum, discharges, etc.) are caused entirely by using unsuitable or faulty cables.



Compensation of interference with balanced connections



Maintenance

The DAP Audio ER-1193B 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 ER-1193B

This troubleshooting guide is meant to help solve simple problems. If a problem occurs, carry out the steps below in sequence until a solution is found. Once the unit operates properly, do not carry out following steps.

1. If the device does not operate properly, unplug the device.
2. Check power from the wall, all cables, the fuse, etc.
3. If all of the above appears to be O.K., plug the unit in again.
4. If nothing happens after 30 seconds, unplug the device.
5. Return the device to your DAP Audio dealer.

Product Specification

Model: DAP Audio ER-1193B
Operation Voltage: 12-18 VDC, 200 mA
Dimensions: 211 x 152 x 40mm (LxWxH)
Weight: 1,08 Kg

Frequency Preparation: PLL Synthesized Control
Carrier Frequency range: 502 MHz - 960 MHz
Frequency Stability: $\pm 0.005\%$
S/N Ratio: > 100 dB
Display: LCD
Display Contents: Frequency, Antenna A/B, Mute display, RF/AF Lever Meter, battery fuel gauge
Controls: Power On/Off, Frequency Up/down Frequency Scan, Audio Level
Audio Output Level: -12 dB
AF Output Impedance: 600 Ohm
Squelch: Pilot Tone & Noise Mute
Output Connector: XRL Balanced/ 6,3 mm Unbalanced



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



Website: www.Dap-audio.info
Email: service@highlite.nl



© 2012 DapAudio.