



# Entertainer Mobile Set Basic

ORDERCODE D3208



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

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

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

Always get the best -- with DAP Audio !

Thank you!



# Dap Audio

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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 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:

- DAP Entertainer Mobile Set Basic
- 2x Speaker stand adapter
- IEC cable (175cm)
- 2x Speakon cable
- User manual

# WARNING

 **CAUTION!**   
**Keep this system away from rain and moisture!**

## 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 let the power-cord come into contact with other cables! Handle the power-cord and all connections with the mains with particular caution!
- 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 insert objects into air vents or bass reflex ports.
- 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.
- Do not drive the inputs with a signal level bigger, than required to drive the equipment to full output.
- 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 power-cord by the plug. Never pull out the plug by tugging the power-cord.
- Always operate the unit with the AC ground wire connected to the electrical system ground.
- Make sure you don't use the wrong kind of cables or defective cables.
- Make sure that the available voltage is not higher than stated on the rear panel.
- Make sure that the power-cord is never crimped or damaged. Check the system and the power-cord from time to time.
- Please turn off the power switch, when changing the power cord or signal cable, or select the input mode switch.
- Extreme frequency boosts in connection with a high input signal level may lead to overdriving your equipment. Should this occur, it is necessary to reduce the input signal level by using the input control.
- Avoid ground loops! Always be sure to connect the power amps and the mixing console to the same electrical circuit to ensure the same phase!
- If system is dropped or struck, disconnect mains 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.
- 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**

This system is not designed for permanent operation. Consistent operation breaks will ensure that the system will serve you for a long time without defects.

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.


You endanger your own safety and the safety of others!

*Improper installation can cause serious damage to people and property !*

## Connection with the mains

Connect the device to the mains with the power-plug.

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	FASE
N	BLUE	BLACK	SILVER	NUL
	YELLOW/GREEN	GREEN	GREEN	EARTH

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

## 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](mailto:aftersales@highlite.nl) 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:**

- 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 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

### Features

The Entertainer Mobile Set Basic is a truly multifunctional sound system which is ideal for presentations, schools, gyms and even mobile DJs. Due to its sturdy and compact design it can fit in any car and is therefore ideal for many mobile applications.

### Stands NOT included!!!

- 8 Channel mixer
- Stereo MP3 input connection (3.5mm)
- Independent tone control for High, Mid and Low 3 band EQ with  $\pm 12\text{dB}$  range
- System 7 band EQ with  $\pm 12\text{dB}$  range
- USB MP3 Player
- Digital delay effect
- Output power 2 x 150W/ 8 ohm

### Overview



## Mixer channels



### 1 / 2 / 3. Equalizer section (HIGH / MID / LOW)

The mixer's equalizer section allows shaping of the incoming audio signal. Turning the equalizer controls to the right amplifies the frequency range, turning to the left attenuates the signal. Minor changes to the equalizer controls usually produce the best results. Try to avoid excessive enhancement of the mid band.

### 4. Eff/Aux control

This control lets you route the corresponding input signal to the integrated digital effect unit at variable levels. In this way assigning special effects to musical instruments or vocals is fairly simple. When making an effect-mix, it's advisable to start with all FX- controls set to their center position. You can further increase or reduce the effect's intensity, depending on your personal preferences.

### 5. Pan control

By using the panorama control you can change the input signal's position within the stereo image. When the panorama control is set to center position, the audio signal is equal for both the left and right output.

### 6. Peak/signal LED

Lights green if an audio signal is present, lights red if the channel clips.

### 7. Level control

Adjust the volume level of each channel. Rotating the control clockwise increases the volume of each channel, counterclockwise decreases the output volume. You can adjust this volume control knob after the main volume has been set up.

### 8. EFF/aux return control

Controls the volume level for the **Aux return (33)** input.

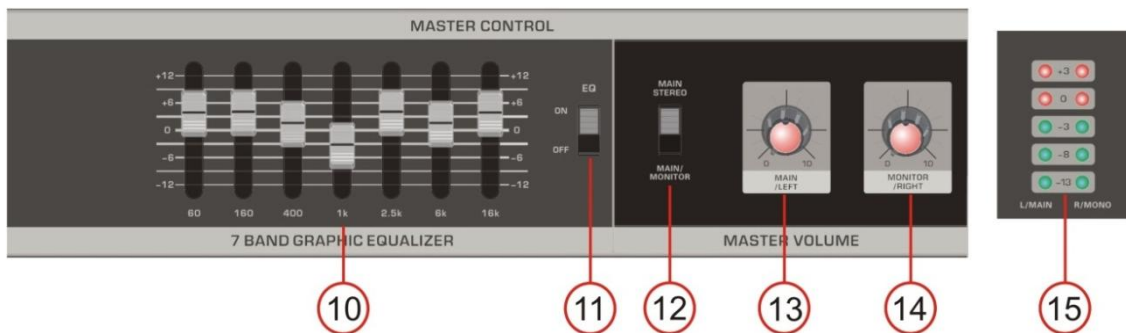
*Note: If the **Main stereo/monitor switch (12)** is set in main monitor position, the aux signal will be routed to the Main output only and will not be routed to the monitor output.*

### 9. MP-3 level control

Controls the level of the USB- MP3 player.

*Note: If the **Main stereo/monitor switch (12)** is set in main monitor position, the MP3 signal will be routed to the Main output only and will not be routed to the monitor output.*

## Master section



### 10. 7-Band equalizer

All 7 frequency bands (60Hz, 160Hz, 400Hz, 1KHz, 2,5KHz, 6KHz, 16 KHz) provide a  $\pm 12$ dB amplification/attenuation. You can change the overall sound, thus meeting your requirements for different locations. If you want your sound to have more bass, you have to boost the low frequency range, using the 60Hz or the 160Hz controls. If you experience too much bass, lower the levels of the 60Hz and 160Hz controls. If the mid-range sounds a bit nasal, try attenuating the 1KHz, 2,5KHz and 6KHz controls by some decibels. If you want to have a clear and highly intelligible sound, you should increase the level setting of the 6kHz or 16kHz band a bit. When using the equalizer, less attenuation is better than a great change of the control settings.

### 11. EQ On/Off switch

You can press the EQ button to bypass the equalizer.



## 12. Main stereo/monitor switch

The power amplifier can be used in stereo or dual mode. In stereo mode, the system operates as a traditional stereo mixer and power amplifier. In dual mode, the sound of the USB MP3 player and effectbus is routed to the main output only. The monitor output will only receive dry signals from the mixer (no effects) and no signals from the USB MP3.

In dual mode, the main mix is made using the **Level (7)** controls while the monitor mix can be made using the **Eff/Aux (4)** controls.

## 13/14. Master control

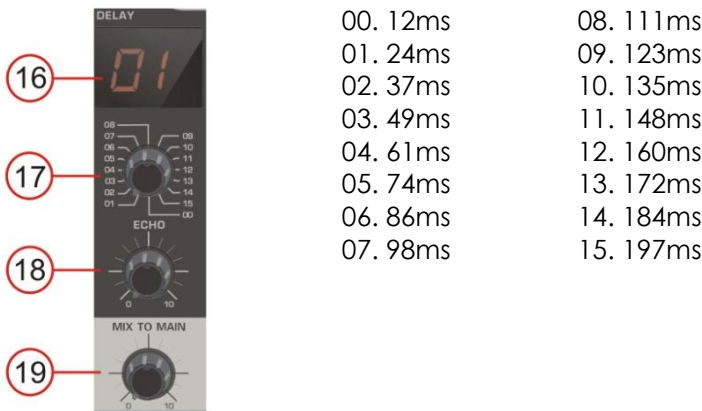
In stereo mode, the controls allow you to you to control the output level for the left and right channel.

In dual mode you can control the levels for the main and the monitor output.

## 15. LED VU meter

Allows you to monitor the mixers output level.

## DSP section



## 16. DSP display

Indicates the selected delay time preset.

## 17. Delay time selection knob

Use this dial for selecting a delay time preset.

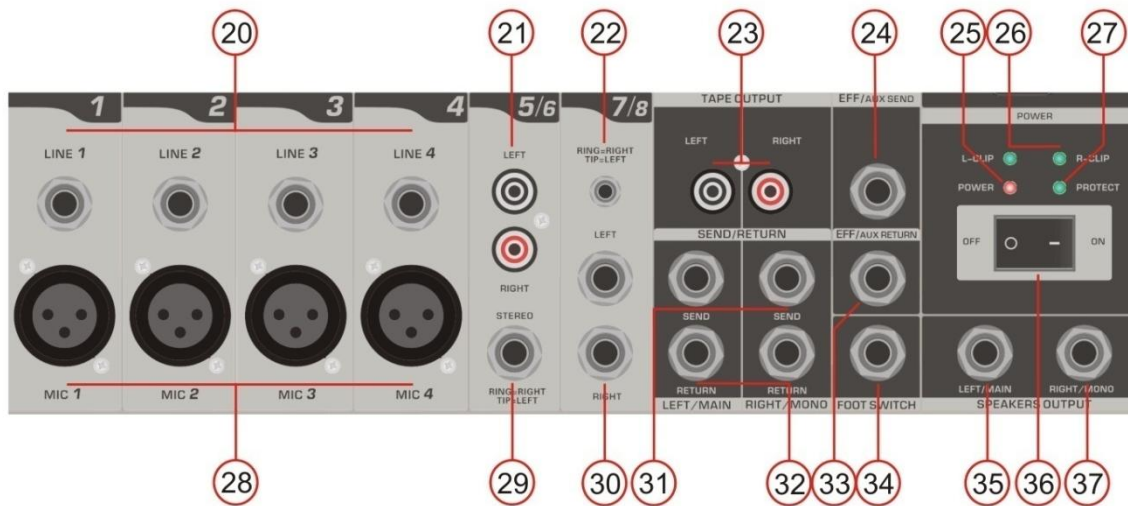
## 18. Echo control

Rotating the knob clockwise increases the number of repeats and counter clockwise decreases the number of repeats.

## 19. Mix to main

Rotating the knob clockwise increases the effect level and counterclockwise decreases the effect level in the mix.

## Patch panel



### 20. Mono line input jack

1/4" balanced input jack is suitable for devices with line outputs like keyboards, drums, outboard effects, etc. Accepts both balanced and unbalanced cables.

### 21/22/ 29/ 30. Stereo line input

1 / 4", 1/8" TRS jacks or RCA jacks for line level devices such as tape recorders, CD players or other stereo equipment.

### 23. Tape out

The Tape out provides a mix output which is independent of the **Master Level (13)** control. Connect a device, such as a cassette or DAT recorder. All adjustments to the input level, channels EQ, and DSP can be heard through the REC output. You can only adjust the record level using input controls on your recording equipment.

### 24. Eff/aux send

Use this output in combination with the **Aux Return (32)** to connect an external effect device. Using an external effect device in your aux effect loop will run this effect in parallel with the internal effects.

### 25/27. power and protect indicators

The green Power LED indicates the unit is switched on.

The red Protect LED Indicates that the power amp is in Protect mode (speakers disconnected by the output relay).

### 26. Clip indicators

The orange LED indicates the clipping status for the left and right amplifier outputs.

### 28. Mic input jack

XLR balanced low impedance microphone input.

### 31/32. Amplifier send/return jacks

Each channel of the amplifier has a send and return jack. These jacks offer an insertion point. The (stereo) effect loop is situated between mixer and poweramp (before EQ and master section).

### 33. Aux return

Use this output in combination with the **Aux Send (23)** to connect an external effect device. Using an external effect device in your aux effect loop will run this effect in parallel with the internal effects.

### 34. Foot switch

The foot switch connector allows you to mute the internal DSP section. The input accepts a standard 1/4" jack shorting the tip to the sleeve will mute the DSP section.

### 35/37. Speaker output

Connect the Entertainer Mobile Set Basic speakers using the supplied Speakon cables.

### 36. Power switch

Do not supply power before the whole system is set up and connected properly.

## USB player



### 36. Status LED

Shows the status of the USB MP3 port.

### 37. USB port

Use this port to connect your USB stick for playback/recording. Make sure that all MP3's are located in the root directory. The Entertainer mobile set active will not recognize folders on a USB stick.

### 38. Play/pause button

Use this button to start playback. Press once to start playback, twice to set the pause mode, and again to resume playback.

### 39. Previous button

Tapping this button allows you to go back to beginning of the track or select a previous track. Holding this button increases the volume level of the USB player.

### 40. Next/vol- button

Tapping this button allows you to skip to the next track. Holding this button decreases the volume level of the USB MP3 player.

### 41. EQ

Tapping this button allows you to switch between different preset EQ settings.

## AC inlet with integrated fuse holder

This connector is meant for the connection of the supplied main cord. Connect one end of the power cord to the connector, the other end to the mains, then turn on the power switch to operate the unit.



**Note:** Please make sure that the supply voltage matches the operation voltage before connecting the unit to mains. Replace the fuse only with a fuse of same specification (T4A).

## Rear storage compartment

On the rear you can find a small storage compartment. You can use this for storage of your cables.



# Installation

Remove all packing materials from the Entertainer Mobile Set Basic. Check that all foam and plastic padding is removed. Connect all cables.

**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. The power supply is printed on the back of the device.  
Do not attempt to operate an 115V specification product on 230V power, or vice versa.

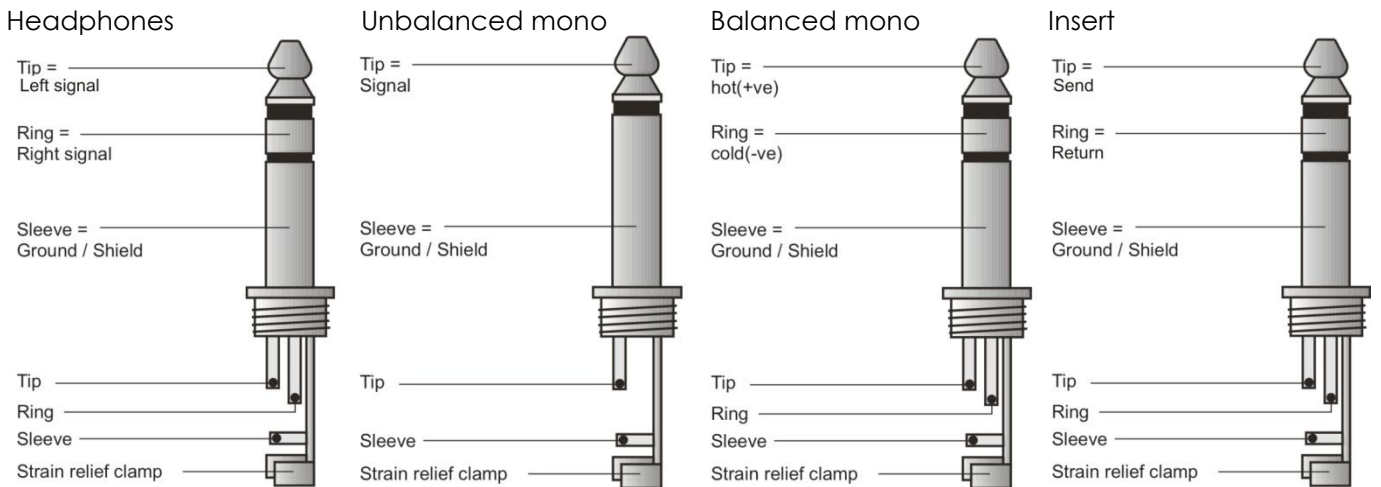
### Connections

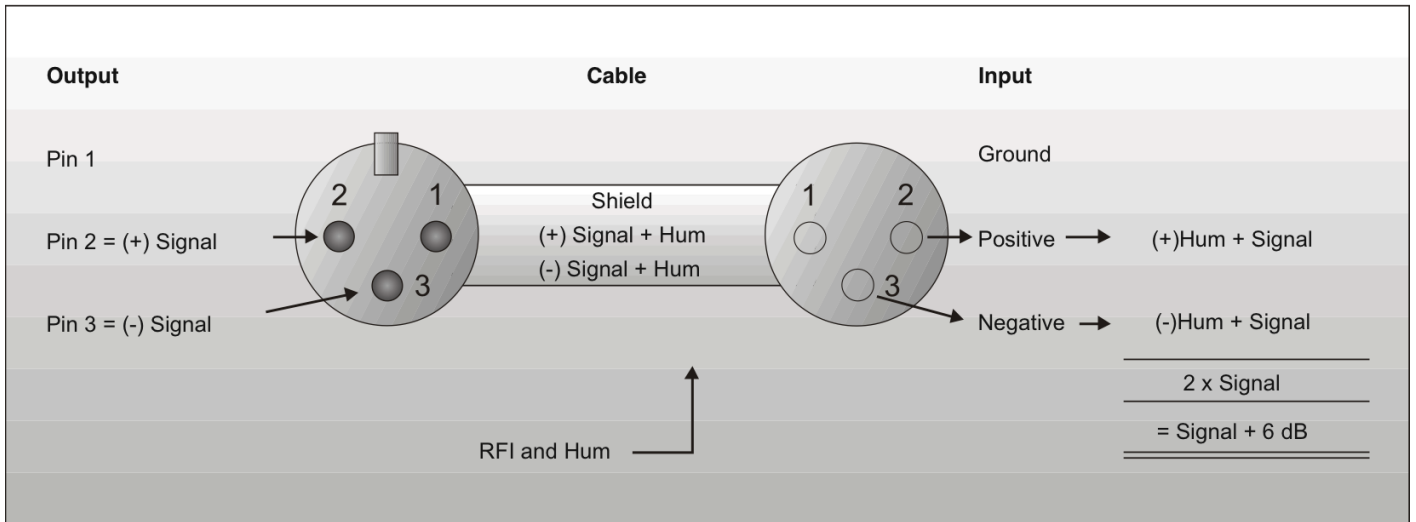
1. Turn off the **Power** switch.
2. Connect the Entertainer Mobile Set Basic to your other devices you plan on using.

CAUTION: Be sure that the power is off, when connecting the cables.

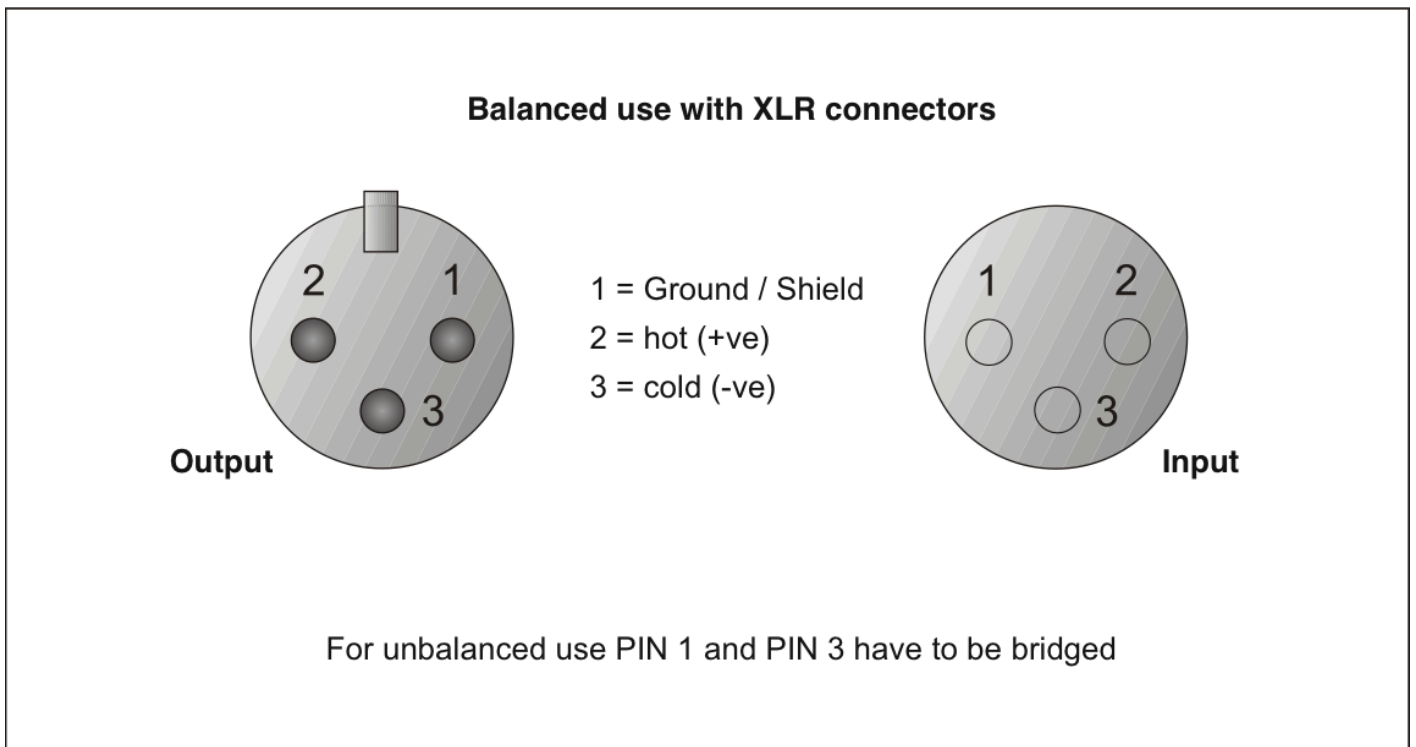
## Connection Cables

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 Entertainer Mobile Set Basic 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.

## Replacing a Fuse

Power surges, short-circuit or inappropriate electrical power supply may cause a fuse to burn out. If the fuse burns out, the product will not function. If this happens, follow the directions below to do so.

1. Unplug the unit from electric power source.
2. Insert a flat-head screwdriver into a slot in the fuse cover. Gently pry up the fuse cover. The fuse will come out.
3. Remove the broken fuse. If brown or unclear, it is burned out.
4. Insert the replacement fuse into the holder where the old fuse was. Reinsert the fuse cover.  
Be sure to use a fuse of the same type and specification. See the product specification label for details.

## Troubleshooting

DAP Entertainer Mobile Set Basic

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, connections, 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

Frequency Response :

20 Hz – 20 kHz 1dB (at send out)

45 Hz – 20 kHz -3dB (maximum output of the speaker)

Distortion : < 0.05%, 20 Hz – 20 kHz 1dB rated output

S/N : > 80dB @ 1W . "1 A" WTD

Output Power: 150 W / ch rated power, 8Ω, both channels driven with THD < 1%

Input Impedance: (channels 1,2,3,4): "Mic" : 2 kΩ "Line" : 33 kΩ

Input Impedance: ( 5-6 / 7-8 stereo channel): 10 kΩ

Max. Input Level: Mic: -14 dBu Line: +15 dBu Stereo: +26 dBu

Return Input Level: 47 kΩ

USB-disk Player:

MP3 compatible

USB 2.0 high speed digital transmissions

Fuse: T4A 250V

Audio cables: Jack male to Speakon male 2x6m

Digital Delay Effects: 24-bit DSP Effect Processor



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



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