

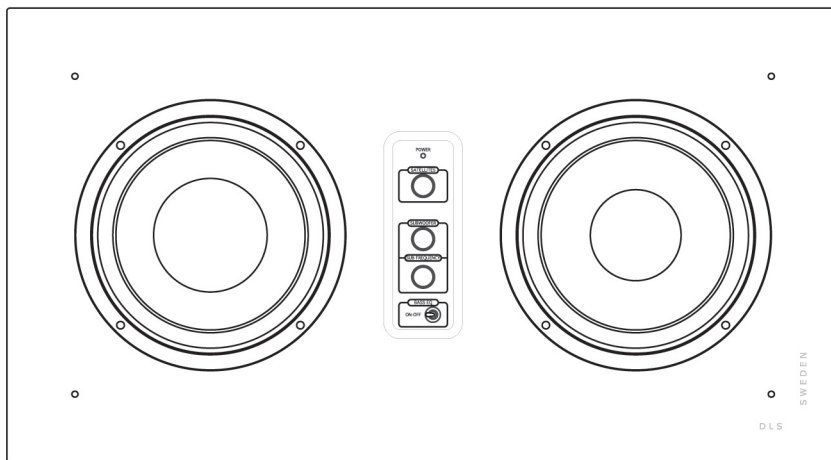


since 1979

DLS FLATBOX®

Owner's Manual

Flatsub Stereo-One



audio for Life

Introduction!

Please read this manual fully before unpacking and installing the product. It will help you to optimise the performance of your speakers.

Unpacking and maintenance

Your speaker should be treated with the same care you would treat a piece of furniture. Use only a piece of soft cloth to clean the loudspeakers. After unpacking, we suggest you retain all packing material for future transports.

Running-in period

The performance of the speaker will change subtly during the listening period.

Please allow your new speakers to play about 50 hours of music at normal listening level before doing any critical listening.

System

DLS Flatsub Stereo-One is an efficient, active subwoofer with a built-in 80 W class D power amplifier for the subwoofer and 2x35 Watt amplifier for a pair of Flatbox speakers. The loudspeaker unit is a specially developed, 7", long-stroke woofer with a powerful magnetic system combined with a passive radiator for improved bass sound.

It is designed to use as a single amplifier unit. The subwoofer allows great freedom in placement. With the controls you can adjust level for front system, level for subwoofer, crossover frequency and Bass EQ, which makes it easy to adjust for the acoustics in your listening room.

Connecting power supply

The switch "Power" is the on/off switch for the subwoofer. Normal position is AUTO ON which makes the subwoofer start with the rest of your system, POWER LED glows green. After a period without input signal the amplifier automatically reverts to standby, POWER LED glows red. The power switch "OFF" position is used when the subwoofer is not in use for a longer period of time.

CAUTION!

If you hear distortion when you increase the volume this is normally a sign of overloading the subwoofer and you should immediately reduce the level. We recommend that you use the volume control with care.

Service

Should your DLS loudspeaker system require service, or if you have difficulty in achieving the fine performance of which your DLS loudspeaker system is capable, consult the DLS dealer from whom the system was purchased. Your dealer has the knowledge required to provide expert advice and assistance. In case the DLS dealer is unable to assist you, you are welcome to contact DLS on info@dls.se

Warranty

This DLS loudspeaker is warranted to the original purchaser, against factory defect in material or workmanship, for a period of one (2) years from the date of original purchase. This warranty is valid only in the country of purchase, to the original purchaser and is non-transferable. DLS loudspeakers are music listening devices and should be used for listening purposes only

They must not be connected to any other equipment than amplifiers within the specified power range.

DLS cannot be held responsible for damage or injuries caused by improper use, or use in violation with the recommendations in this leaflet.

IMPORTANT!

Before connecting electricity to the power supply, it is important that the POWER switch is **OFF** and check that the AC switch 115V - 230V is set to correct voltage for your country. 230 V is standard setting. Connect the subwoofers input signals before you switch the POWER switch to **AUTO ON**.



Marking by the "CE" symbol indicates compliance of this device with the EMC (Electromagnetic Compatibility) and LVD (Low Voltage Directive) standards of the European Community



This product must be returned to the separate collection system for electronic products. Do not dispose this product together with general household waste.

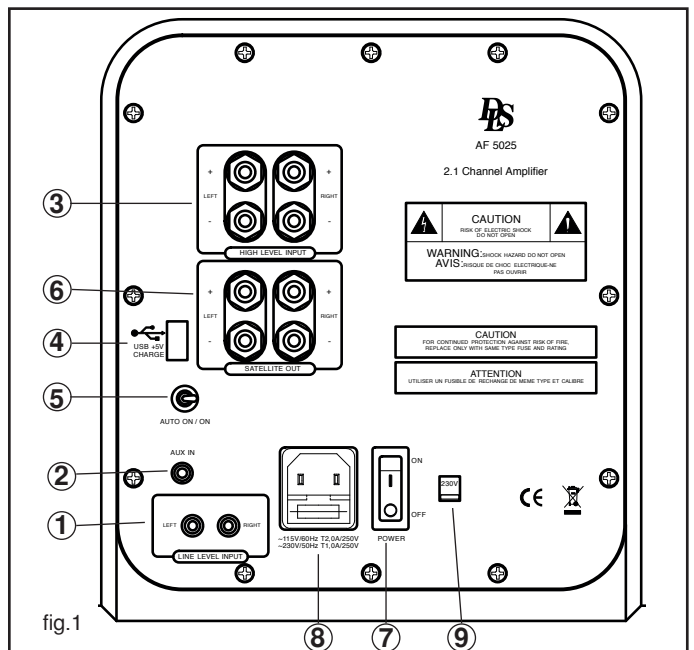


fig.1

DESCRIPTION OF AMPLIFIER MODULE

Fig. 1, Rear amplifier panel.

1. **LINE INPUT**
RCA line low level input
2. **AUX INPUT**
3,5 mm stereo plug
3. **HIGH LEVEL INPUT**
For connection from the amplifier speaker outputs
4. **USB POWER**
Power supply for USB devices
5. **AUTO ON / ON**
 - In position **AUTO ON** the amplifier shuts on / off automatically when signal appears in any of the inputs.
 - In position **ON** the amplifier is active (ON) all the time. To shut off the amplifier, the POWER switch (7) must be turned OFF.
6. **SATELLITE SPEAKER OUTPUT**
For connection to a pair of Flatbox speakers
7. **POWER**
Main power switch
8. **POWER INPUT SOCKET**
Power input socket with fuse holder
9. **VOLTAGE SELECTOR SWITCH**
To adjust amplifier from 230 Volt (standard) to 115 Volt

Fig.2
Front panel behind the speaker grille

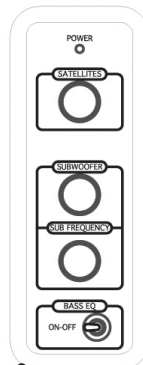


fig.2

- SATELLITES**
Volume control for Flatbox speakers
- SUBWOOFER**
Volume control for subwoofer
- SUB FREQUENCY**
Control for adjusting the crossover frequency to the subwoofer
- BASS EQ**
Switch for increasing the bass level +5 dB @ 35 Hz in ON-position



IMPORTANT SAFETY INFORMATION!

1. The AC power cord must be connected to an AC outlet where it can be easily disconnected from the power source. A fixed installation of the power cord is not allowed.
2. The subwoofer must be connected to an AC outlet with protective ground.
3. Do not use this subwoofer in damp areas and protect it from water.
4. Do not place objects filled with water, such as vases, on the subwoofer.
5. Unplug the subwoofer during lightning storms or when unused for long periods of time.

CONNECTION OF STEREO SPEAKERS:

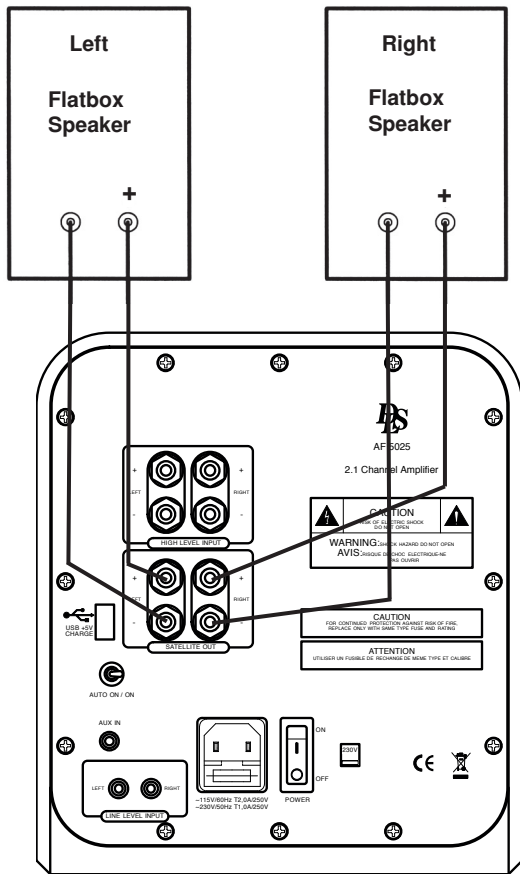


fig 3

Technical data for amplifier module AF-5025

Output power subwoofer amplifier : 80 Watts class D
 Woofer unit : 7" + passive radiator 7"
 Low frequency performance : 32 Hz @ -6dB
 Crossover subwoofer amplifier: : 50 - 250 Hz low pass
 BASS EQ switch : +5 dB @ 35 Hz

Output power satellite amplifier : 2 x 35 W class D
 Crossover Satellite amplifier : 12 dB high pass @80 Hz

SOUND ADJUSTMENTS

SATELLITES VOLUME control

This control is used to adjust the volume for Flatbox speakers connected to the SATELLITE OUT terminals. Trust your ears and your personal taste to find the correct setting.

SUBWOOFER VOLUME control

This control is used to adjust the balance between the subwoofer and front or satellite / Flatbox speakers. Trust your ears and your personal taste to find the correct setting.

SUB FREQUENCY control.

The crossover can be continuously adjusted from 50 to 250 Hz. This frequency is the split frequency between the subwoofer and the satellite / Flatbox speakers. Trust your ears and your personal taste to find the correct setting.

BASS EQ switch

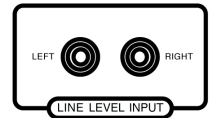
This control is used for increasing the BASS level at 35 Hz centre frequency with + 5dB in ON position. Trust your ears and your personal taste to find the correct setting.

INPUT SIGNAL, CONNECTION ALTERNATIVES:

2-CHANNEL STEREO CONNECTIONS

1. LINE LEVEL INPUT

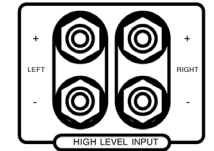
If your amplifier have separate pre-amplifier outputs, connect those to **LINE LEVEL INPUT**, left (L) and right (R).



2. SPEAKER LEVEL INPUT

Connect the speaker outputs from the stereo power amplifier to "left (L) & right (R) **HIGH LEVEL INPUT**".

This alternative is normally used if you have a signal source without low level signal outputs.



3. AUX INPUT

The **AUX IN** is a 3,5 mm stereo socket used for connecting various sources.

You can connect signal from:

- A stereo receiver
- A computer or laptop
- Your TV
- Your mobile phone or tablet
- Any other unit with an Audio output

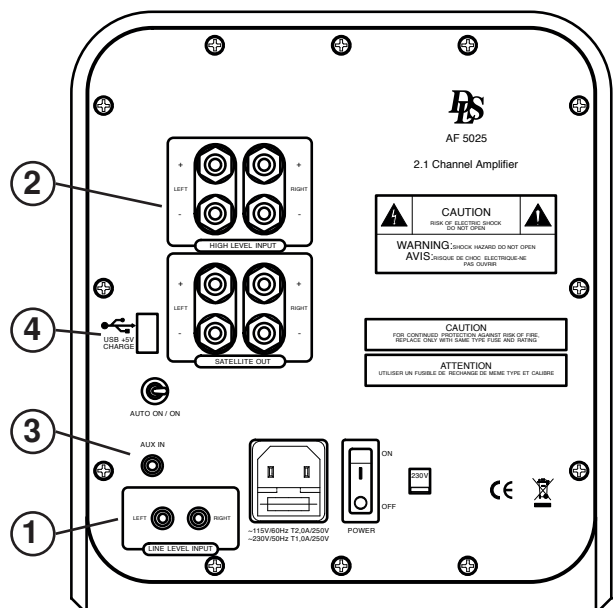
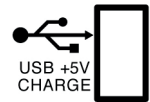
AUX IN



4. USB POWER

If you want to use a Bluetooth device or similar, use this USB socket for powering the device.

For powering a Bluetooth device or any other kind of receiver, the AUTO ON / ON switch (5) must be in position ON all the time.



Placement in the room

The Flatsub Stereo-One is designed for hanging on a wall. A wall bracket is included with the Flatsub Stereo One. The wall bracket is attached on the wall as in the drawing below.

Another way is to place it lying under a furniture, for example a sofa.

Horizontal or vertical placement on the wall

The hanging direction of Flatsub Stereo-One can be changed by moving the wall bracket as described below.

1. This photo shows the original placing of the wall bracket. Fig 1.
2. Remove the bracket by removing it from the rear side using a T30 torx screw driver.
Remove the lower right (or left)removable foot. See figure. 1 & 2
3. Remount the bracket and adjustable foot as in figure 3.

Choose the alternative that suits the wall and your taste.

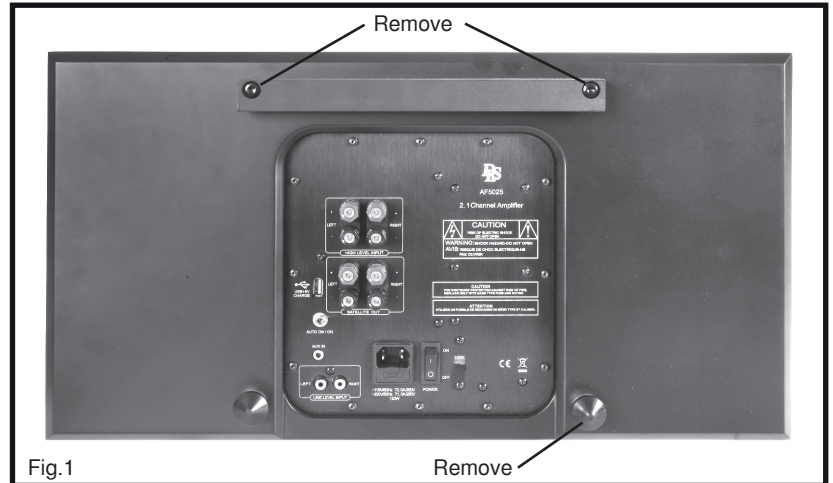
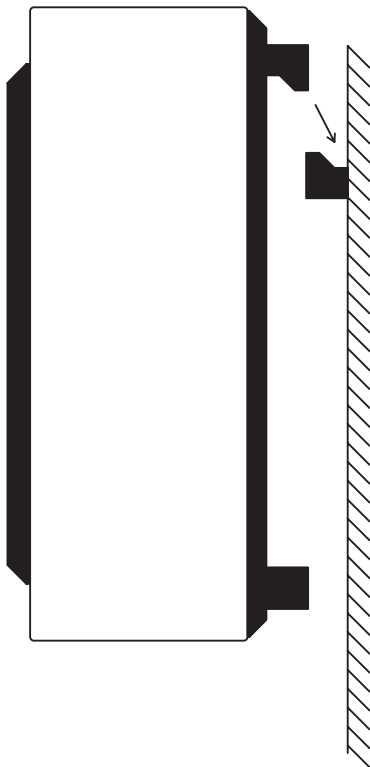
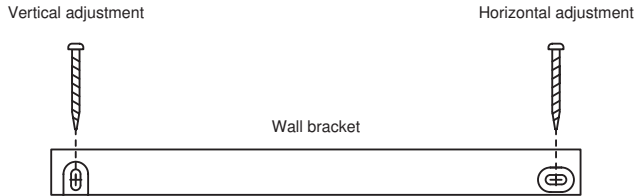


Fig.1



Fig.2

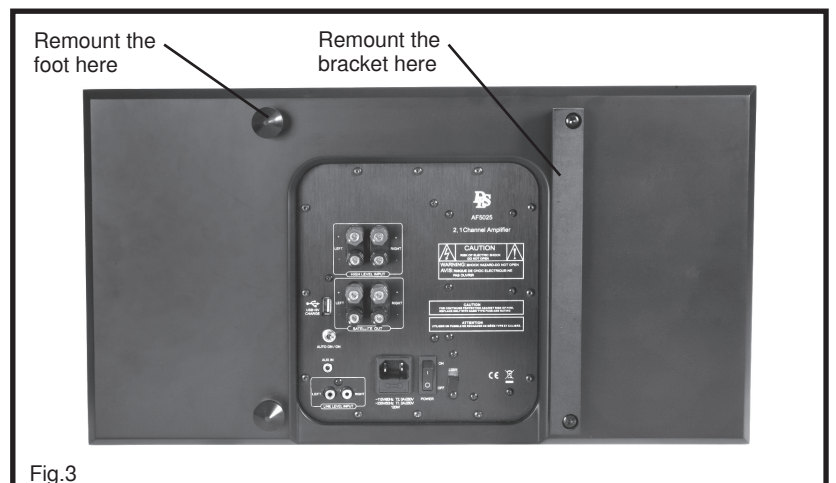


Fig.3

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