



OWNERS MANUAL

SE600.1DF
SE1000.1DF
SE2000.1DF
SE3000.1DF

- We greatly appreciate your purchase of the unit
- Be sure to take maximum advantage of all the unit has to offer, read these instructions carefully and use the set properly. Be sure to keep this manual for future reference, should any questions or problems arise.

PRE INSTALLATION

WARNING: Playing loud music in a vehicle can hinder your ability to hear traffic and permanently damage your hearing. We recommend listening at low or moderate levels while driving. BASS HABIT accepts no liability for hearing loss, bodily injury or property damage resulting from the use/misuse of this product.

To get the very best performance from your BASS HABIT SPL Elite amplifier, we recommend that installation be entrusted to a qualified installer. Although these instructions explain how to install BASS HABIT Play amplifiers in general, they do not show specific installation methods that may be required for your particular vehicle. If you do not have the necessary tools or experience, **do not** attempt the installations yourself. If any uncertainty please ask your car audio dealer about an professional installation.

ADVICE AND TIPS

Turn off the audio system and other electronic devices before you start.
Disconnect the negative (-) lead from your vehicle's battery.

Check clearances on both sides of a planned mounting surface before drilling any holes or installing any screws. Remember that the screws can extend behind the surface.

At the installation sites, locate and take note of all fuel lines, hydraulic brake lines, vacuum lines and electrical wiring. Use extreme caution when cutting or drilling in and around these areas.

Before drilling or cutting any holes, use a utility knife to remove unwanted fabric or vinyl to keep material from snagging in a drill bit.

When routing cables, keep input-signal cables away from power cables and speaker wires.

When making connections, make certain they are secure and properly insulated.

Choose a mounting location in an area where the amplifier will not be damaged.

Amplifier cooling is essential for proper amplifier operation.

If the amplifier is to be installed in an enclosed space, make sure there is sufficient air circulation for the amplifier to cool itself.

When mounting the amplifier under a seat, ensure that it is clear of all moving parts and does not affect the seat functionality.

Make sure that the amplifier is mounted securely using nuts and bolts or the supplied mounting screws.

Mount the amplifier so that it remains dry - never mount an amplifier outside the vehicle or in the engine compartment.

POWER/SPEAKER CONNECTION (FIG 1 & FIG 2)

The Bass Habit SPL Elite amplifiers are capable of delivering extremely high power levels and require a heavy-duty and reliable connection to the vehicle's electrical system. To get the very best performance out of your Bass Habit SPL Elite amplifier, carefully follow the instructions below:

Ground Connection (GND):

Connect the amplifiers Ground (GND) terminal to a solid point on the vehicles metal chassis, as close to the amplifiers as possible.

Scrape away any paint from this location; use a star-type lock washer to secure the connection.

Ground wire minimum size:

SE600.1DF min. 4 awg/ 20mm²

SE1000.1DF min. 4 awg/ 20mm²

SE2000.1DF min. 2 awg/ 35mm²

SE3000.1DF min. 0 awg/ 50mm²

Power Connection (+12V):

Connect a wire directly to the vehicles positive battery terminal, and install an appropriate fuse and holder within 30cm/12" from the battery terminal.

Keep the fuse uninstalled at the time for routing and connecting the power wire.

Be sure to use grommets whenever routing wires through the firewall or other metal parts.

When routing/connecting is done, installation of the fuse into fuse holder can be finalised.

+12V wire minimum size:

SE600.1DF min. 4 awg/ 20mm²

SE1000.1DF min. 4 awg/ 20mm²

SE2000.1DF min. 2 awg/ 35mm²

SE3000.1DF min. 0 awg/ 50mm²

Remote Connection (REM):

Connect the amplifiers Remote (REM) terminal to the source unit Remote turn on lead using a minimum of 0.75mm²/18 gauge wire.

If your source unit does not have a turn on connection, connect the amplifier (REM) terminal through a power switch button which can provide a +12V signal.

Speaker connections (SPEAKER OUTPUT):

Speaker connections should be made using a minimum of 1,25 mm²/16 gauge wire.

Minimum total allowed impedance load is 1 ohm.

Fig 1 POWER CONNECTION

SE600.1DF / SE1000.1DF / SE2000.1DF / SE3000.1DF

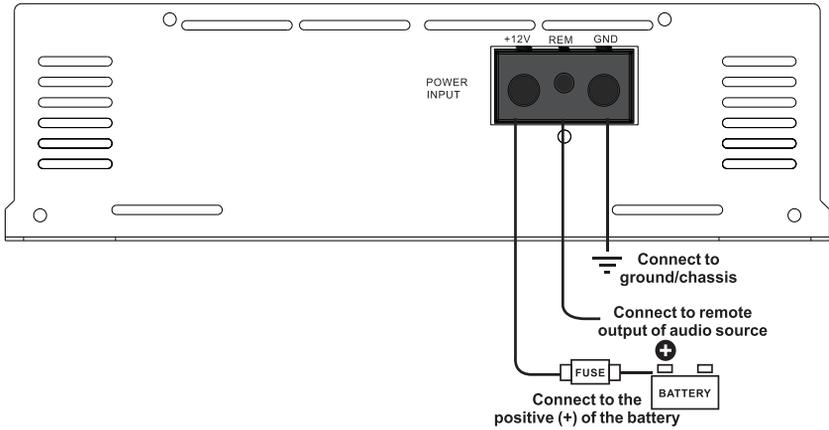
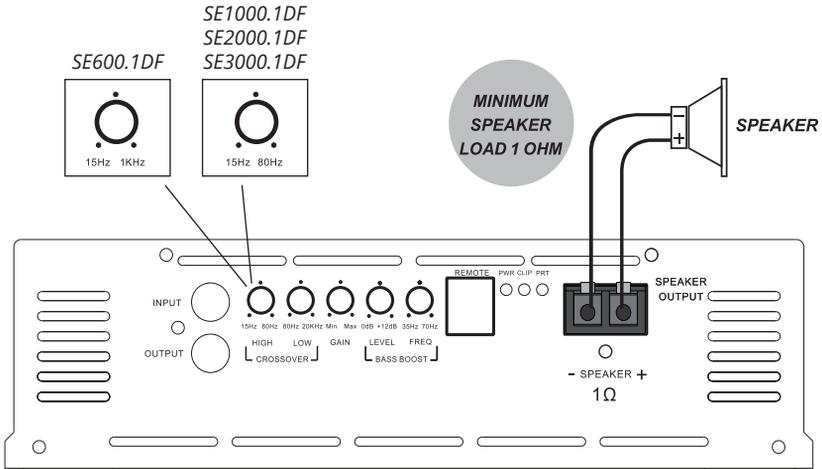


Fig 2 SPEAKER CONNECTION

SE600.1DF / SE1000.1DF / SE2000.1DF / SE3000.1DF



FRONT PANEL (FIG 3)

Bass Habit SPL Elite are Class D amplifiers and can be used for speakers and subwoofers in the range between 15Hz - 20KHz. LOW/HIGH and LOW+HIGH crossover mode can be used simultaneously.

While listening to music, adjust the gain/crossover/subsonic/bass boost for the least perceived distortion from the speakers, allowing them to reproduce as much bass as possible.

Line Input

Connect the line outputs from your source unit and connect them to the Line L and R inputs.

Line Output

Bass Habit SPL Elite 1-channel amplifiers are equipped with full-range output that can be used to connect additional amplifiers.

Input level control (GAIN):

GAIN control is a seamless adjustable between 0,2V- 6 V.

Tips for adjusting the GAIN control correctly:

- Initially turn the GAIN control to minimum (counter clockwise).
- On the source unit, increase the volume control to the 3/4 of maximum volume.
- Slowly increase the GAIN control until you hear slight distortion in the speaker/speakers.
- Then reduce the GAIN slightly until distortion is no longer heard.

Bass Boost control (BASS BOOST):

Bass Boost is seamless adjustable between 0-12 db (35Hz - 70 Hz)

Please use the BASS BOOST knob with care, excessive use can damage your system!

LPF Crossover (LPF):

The low pass filter is seamless adjustable between 80Hz - 20KHz. When using a subwoofer, set the frequency cut point at 80Hz and adjust to your own preferences.

HPF Crossover (HPF):

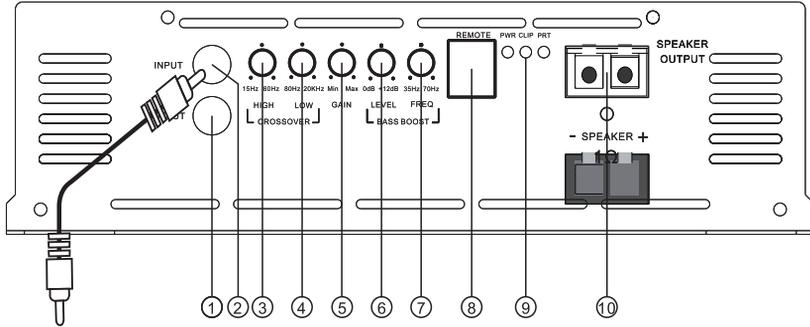
The high pass filter is seamless adjustable between 15Hz-80Hz for the models SE1000.1/ SE2000.1/SE3000.1 and 15Hz - 1KHz for the model SE600.1. The HPF can be used for removing the deepest bass notes from the subwoofer, get a tighter and more rhythmical sound. For a normal setup the HPF should be adjusted to the "15 Hz" setting. If using full range speakers, set the crossover knob to HIGH (high pass), Adjust the crossover frequency to limit bass and lower distortion.

Remote Level Control (REMOTE)

Included with the Bass Habit SPL Elite 1-channel amplifiers is a subwoofer remote volume control. This allows you to adjust the level from your listening position. Install the controller at a convenient position close to the driver seat, and connect it to the REMOTE jack on the amplifier.

Fig 3 FRONT PANEL CONNECTION

SE600.1DF / SE1000.1DF / SE2000.1DF / SE3000.1DF



Source Unit



1	RCA signal input/output	Connect RCA signal cable from audio source (input) or connect another mono amplifier (output).
2	RCA signal input	Connect RCA signal cable from audio source
3	High pass filter (HPF)	Adjust the High pass filter's crossover point. 15Hz - 80Hz for 1000.1DF, 2000.1DF & 3000.1DF. 15Hz - 1KHz for 600.1DF.
4	Low pass filter (LPF)	Adjust the Low pass filter's crossover point (80Hz - 20KHz)
5	Gain	Adjust the Gain level (0,2-6V)
6	Input sensitivity (LEVEL)	Adjust the input sensitivity (0-12 dB)
7	Frequency	Adjust the Bass Boost's center frequency (35Hz - 70Hz)
8	Subwoofer remote volume control input	Input for connection of the bass remote control
9	Power status, Clipping & Protection LED	Indicating the power & clipping status and activated protection mode
10	Speaker wire terminal	Connect to one or more speakers

SPECIFICATIONS:

SE600.1DF

- Number of channels: 1CH
- Power output (RMS) @ 1 ohm: 1x600W
- Power output (RMS) @ 2 ohm: 1x450W
- Power output (RMS) @ 4 ohm: 1x300W
- Input sensitivity: 200MV
- S/N: 100dB
- Frequency response: 10Hz-20KHz
- LPF crossover control: 80Hz-20KHz
- HPF crossover control: 15Hz-1KHz
- Bass boost: 0-12dB (35-70Hz)
- Thermal management: Smart cooler (fan powered by temperature/audio)
- Protection system:
Output short/high/low Supply Voltage/Thermal Protection
- Input impedance: 56k ohm
- Operation Voltage: 9-16V

SE1000.1DF

- Number of channels: 1CH
- Power output (RMS) @ 1 ohm: 1x1000W
- Power output (RMS) @ 2 ohm: 1x750W
- Power output (RMS) @ 4 ohm: 1x500W
- Input sensitivity: 200MV
- S/N: 100dB
- Frequency response: 10Hz-20KHz
- LPF crossover control: 80Hz-20KHz
- HPF crossover control: 15Hz-80Hz
- Bass boost: 0-12dB (35-70Hz)
- Thermal management: Smart cooler (fan powered by temperature/audio)
- Protection system:
Output short/high/low Supply Voltage/Thermal Protection
- Input impedance: 56k ohm
- Operation Voltage: 9-16V

SE2000.1DF

- Number of channels: 1CH
- Power output (RMS) @ 1 ohm: 1x2000W
- Power output (RMS) @ 2 ohm: 1x1400W
- Power output (RMS) @ 4 ohm: 1x800W
- Input sensitivity: 200MV
- S/N: 100dB
- Frequency response: 10Hz-20KHz
- LPF crossover control: 80Hz-20KHz
- HPF crossover control: 15Hz-80Hz
- Bass boost: 0-12dB (35-70Hz)
- Thermal management: Smart cooler (fan powered by temperature/audio)
- Protection system:
Output short/high/low Supply Voltage/Thermal Protection
- Input impedance: 56k ohm
- Operation Voltage: 9-16V

SE3000.1DF

- Number of channels: 1CH
- Power output (RMS) @ 1 ohm: 1x3000W
- Power output (RMS) @ 2 ohm: 1x1800W
- Power output (RMS) @ 4 ohm: 1x1000W
- Input sensitivity: 200MV
- S/N: 100dB
- Frequency response: 10Hz-20KHz
- LPF crossover control: 80Hz-20KHz
- HPF crossover control: 15Hz-80Hz
- Bass boost: 0-12dB (35-70Hz)
- Thermal management: Smart cooler (fan powered by temperature/audio)
- Protection system:
Output short/high/low Supply Voltage/Thermal Protection
- Input impedance: 56k ohm
- Operation Voltage: 9-16V

TROUBLESHOOTING:

Symptom	Check / Control
No audio. (Power LED not active)	Measure voltage at +12V and REM terminals. Check GND connections.
Distorted audio	Check GAIN control, so it is properly set. Check source unit or amplifier, if defective it can cause distortion.
Music lacks bass and attack	Check speaker connections for proper polarity.



The crossed-out wheelie bin symbol means that the product, literature and packaging included must be taken to separate collection at the end of their working life. Do not dispose of these products as unsorted municipal waste: take them for recycling. For info on your nearest recycling point, check with your local waste authority.

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THE NEW
STANDARD**