

Aurelia Aniara DSP Quick Guide

Setting up and connecting the source

Package contains the following components: 1 pcs Aniara DSP loudspeaker, 1 pcs power supply, 1 pcs USB-cable, Quick Guide and 4 pcs of rubber feet. First the loudspeakers should be connected to the source via the RCA-in connector. Next the power supply should be connected to the DC-in connector of the loudspeaker. Finally the power supply plug should be connected into the wall socket. **NOTE! It is particularly important to switch on the power in that order!**

The loudspeaker has an automatic power-off function and therefore the separate power switch is not needed. The user can choose to install rubber feet on the bottom of the loudspeaker, 4 per speaker, each corner of the base.

Connectors, push buttons and indicator LEDs

Loudspeaker rear panel contains the following:

- RCA-in connector for connecting the source
- RCA-out through connector which can be connected to the subwoofer, or continue the signal to the other speaker
- USB connector that allows the speaker to be connected to a computer for software updates or for the adjustment of internal parameters of the speaker. Also the Bluetooth receiver can be connected to the USB connector for playing the incoming audio signal via the Bluetooth.
- MIC-in connector which is used in conjunction with an automatic room correction (BRC)
- Push buttons for control treble and bass (TREBLE, BASS) as well as push buttons for level control (+ -)
- LED indicators which five of the top indicates the speaker level and settings of treble and bass, as well as LED for automatic room correction (BRC) and the Power LED at the bottom.

Adjustments

- The level is adjusted by pressing the (+) or (-) button. Level adjusts to 6 dB increments. LED light indicates the level selected.
- Adjusting the treble is done by keeping the TREBLE button while pressing the (+) or (-) button. The adjustment range is + 2 ... -2 dB. Simply by pushing a TREBLE button shows the level of treble selected.
- Adjusting the bass is done by keeping the BASS button while pressing the (+) or (-) button. The adjustment range is -4 ... + 4 dB. Just pressing the BASS button shows the level of bass selected.

Automatic Room Correction BRC (Boundary Reflect Correction)

The loudspeaker has an automatic room correction which can be used to remove the boominess and the room emphasis due to the placement of the speaker within the frequency range of 35 - 200 Hz. This requires measuring microphone that you can ask from your dealer. Room correction shall be performed in following way:

- Connect the microphone jack at the rear of the speaker into 3.5mm MIC-in connector
- Set the speaker to the place where it is supposed to listen
- Set the microphone for the intended listening position
- For launching the measurement, hold the BASS button while pressing the TREBLE button.
- The speaker starts producing the test signal which will last for about a minute. During the measurement, it is important that the rest of the environment is as quiet as possible to obtain a reliable result.
- When the measurement is complete, the LED next to the BASS button starts to light to indicate that the speaker outputs now corrected frequency response of the room. Room correction can be switched on / off by holding the TREBLE button while pressing the BASS button.

Connecting to a computer for software updates and for setting of internal parameters

The speaker can be connected to the computer via USB port using an USB cable (included in the package).

NOTE! Disconnect the power connector from the speaker before connecting the USB cable. Speaker processor receives the necessary power through USB.

Software upgrades are informed in the news section of our web-pages. The latest version of the software can be downloaded from our website.

The internal parameters of the speaker can be adjusted by pressing the BASS button simultaneously when the speaker is connected to your computer by USB cable. In this case, a new folder will pop up on the computer display and there can be found the README.TXT file at the bottom. This file contains detailed instructions for activating various equalizers and other parameters. Adjustable setting files are located in the /ADJ subdirectory.

Warranty

The warranty of the loudspeaker is two (2) years, from the date of purchase. The warranty covers faults resulting from the manufacturing process and materials, but not damages as a result of incorrect use of the product.

The opening or removal of the loudspeaker's elements, back panel or any other part will result in the warranty becoming invalid.

Technical information

Material UPM Formi natural fiber composite, injection-molded

Operating principle 2-way vented, active

Frequency response 50 ... 20 000 Hz

Crossover frequency 2 000 Hz

D-class amplifier, 40W + 40W

DSP digital filters, 24-bit / 96kHz DAC and 24-bit / 192 kHz ADC

RCA in, RCA out, USB, 3.5mm microphone-in, 12-22V DC in

Adjusting the bass 4 ... -4 dB below 200 Hz

Adjusting the treble 2 ... -2 dB

Level adjustment 12 ... -12 dB

Variable subsonic filtering depending on the level setting

Bluetooth compatibility by connecting the Bluetooth receiver to the USB port

Bass parametric EQ x 3, 2 x parametric EQ for middle / treble

3 x user definable subsonic filter

Automatic Room Correction (BRC, Boundary Reflect Correction)

Automatic power-off

Dimensions (max) h x w x d 242 x 132 x 208 mm

Weight 3 kg

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