



Vestra Subwoofer Series

Product Manual

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to ensure the best possible product and customer support

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Welcome to Vestra

Thank you for purchasing one of our Vestra Subwoofers,
you're now ready to start your journey to breathtaking sound.

In this product manual, you'll find information about setting
up your subwoofer and how to maintain your subwoofer for
a lifetime of enjoyment.

If you need any further assistance,
please contact our technical team at monitoraudio.com/support

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1 - Unbalanced RCA Inputs

For connection to a 2 channel/ stereo amplifier system. Connection should be provided by a pair of high-quality signal cables from the pre-out section of an amplifier.

The subwoofer's crossover control is enabled when using this input and should be set according to the speakers that are being used and also personal taste. Experimentation is advised.

2 - LFE Input (RCA Type)

This input is to be used when connecting the subwoofer to an AV amplifier/receiver. When using the the LFE input, ensure the crossover dial is set to LFE (maximum) and then the AV receiver's settings will handle the crossover settings.

3 - Volume Control

This control allows the level or volume to be adjusted in order to achieve a balanced overall sound. To get the balanced sound a selection of familiar music or film excerpts will need to be played. Start with the volume at minimum and increase the level control until a balanced sound is established.

If using an AV processor or AV receiver amplifier, the system can be adjusted by the test tone function within the set-up features. (Refer to the set up section in the AV processor or AV receiver amplifier user guide.) When the subwoofer is correctly set-up, you should not be able to identify its location easily in the room.

4 - RCA Line Level Inputs

For connection to a 2 channel/ stereo amplifier system, connection should be provided by a pair of high-quality signal cables from the pre-out section of an amplifier. Connection from an AV receiver or processor should be made using a single subwoofer cable into either of the inputs.

NOTE: Cable lengths should not exceed 10 metres to avoid interference from other electrical appliances.

5 - Crossover Frequency Control

The crossover frequency control is used to set the upper frequency limit (low pass) of the subwoofer. The crossover control should be set in accordance with the size or bass output of the main/satellite speakers. Experimentation is advisable.

6 - Phase Control Switch

The Phase Control is used to synchronise any delay between the subwoofer and main/ satellite speakers. When the subwoofer is in phase with the main/satellite speakers the sound should be full bodied. Sit in a normal listening position whilst adjusting the phase switch. Help from another person may be required. When set correctly the location of the subwoofer should be almost undetectable. Experimentation is advised in order to achieve optimum results. However it should be noted that in most cases the phase control switch should be set to 0 degrees.

7 - Bass Switch

This switch tailors the bass response of the subwoofer to your tastes. There are three settings: Movie, Music and Impact. Movie mode provides the flattest frequency response, and therefore, the most neutral sound. Music mode gives a +3dB boost at 30Hz for increased dynamics during music playback. Impact mode exchanges low bass extension for greater SPL, and can be used when the highest possible playback levels are desired.

8 - Power Mode Switch with On-Auto Facility

With the switch in the 'On' position, the subwoofer is permanently switched on under all conditions. In the 'Auto' position the subwoofer will automatically switch on when an input signal is received. It will remain on for a period of 20 minutes without receiving a signal before switching into standby mode until a signal is received once more.

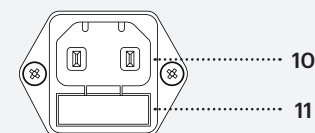
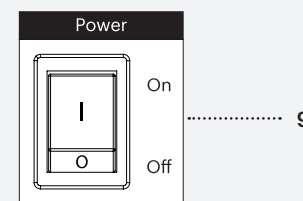
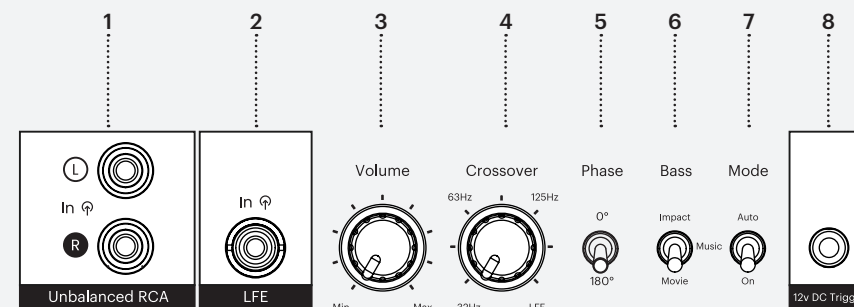
9 - 12 Volt Trigger Input ~ Centre Pin = +12Vdc

For external power control from AV amplifier/ receiver to the subwoofer. Monitor Audio recommend using this function and a lead is supplied. A signal is supplied by the AV amp/ receiver and tells the subwoofer to turn on from standby mode. This allows a more accurately controlled auto on/off function, and is far more energy efficient.

9 - Mains Power Switch

The Mains Power Switch should be switched to the 'Off' position when the subwoofer is unused for extended periods. The switch must be in the 'On' position for the subwoofer to function.

WARNING: Due to the mains switch being located on the rear panel, the apparatus must be located in the open area with no obstructions to access the mains switch.



10 - IEC Mains Input Socket

The subwoofer is supplied with a two-pin mains input socket for connection to the mains supply. Use ONLY the appropriate IEC mains lead provided with the product.

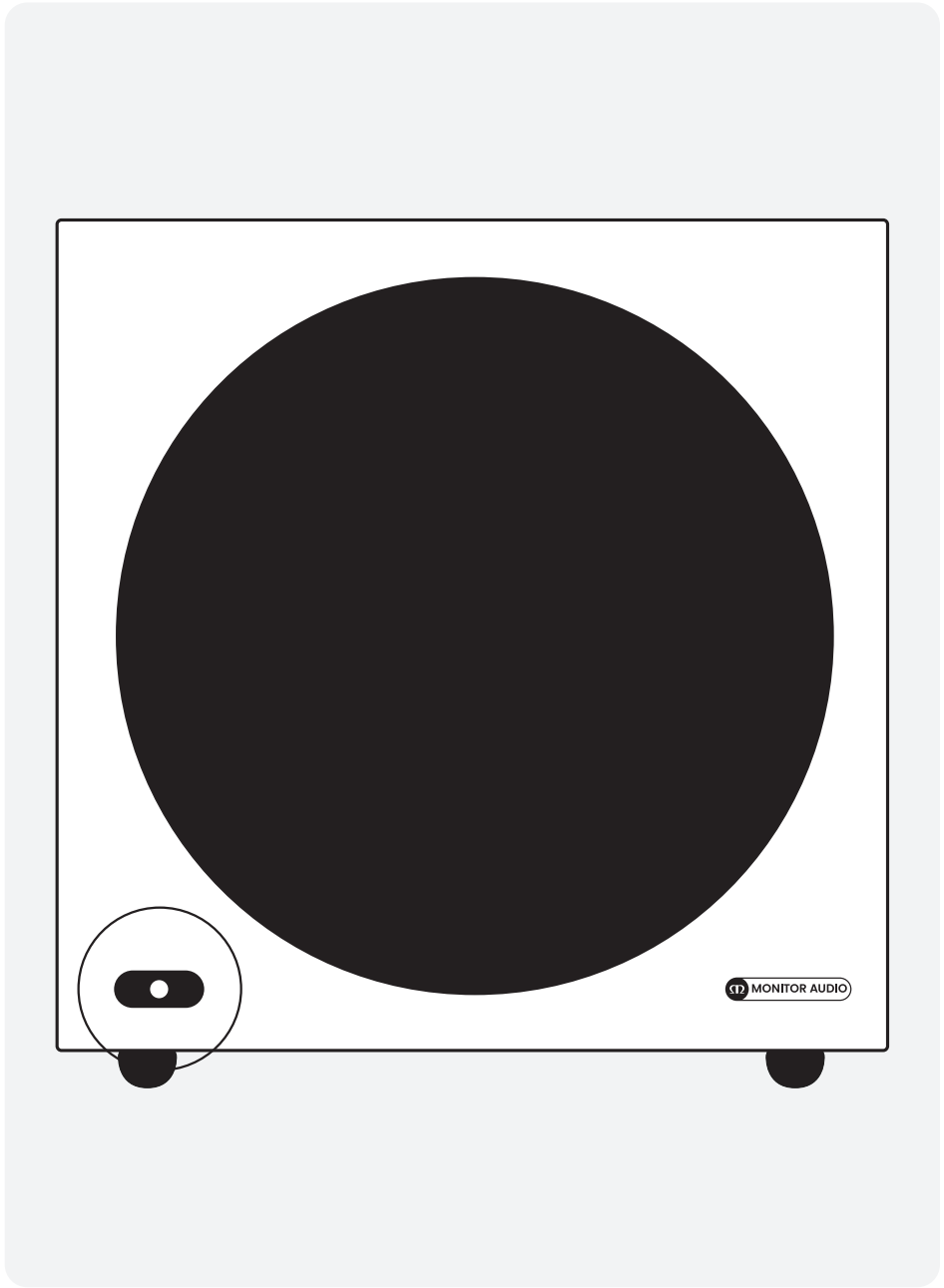
11 - Fuse

The Vestra Series has an external T6.3AL mains fuse fitted. If a fuse blows during operation a spare fuse is provided within the fuse holder for replacement. If you wish to change the fuse, you can do this by removing the IEC mains lead and carefully levering out the original fuse from its holder below the IEC mains input socket. If the fuse blows again it is advisable to seek help from an authorised service agent. DO NOT attempt to re-fit a further fuse as this could result in serious damage to the amplifier unit.

Front LED colour matrix

The front LED has multiple colours/ indicators.
Please refer to the below table for their meaning.

Function	Indication
Standby	Continuous Red
Power On	Continuous Orange
Fault	Flashing Red



Initial set-up

Follow the steps to get started setting up your subwoofer. More detail for each step is also given in the corresponding sections.

- Leave the subwoofer unplugged from the mains until all signal cables are connected.
- Position subwoofer, all features and settings can be configured using the controls on the back of the subwoofer.
- Connect the signal cables based on your system, refer to the AV or Stereo System section below.
- Connect the IEC mains lead provided and switch the subwoofer On using by pressing the encoder.

Positioning

The subwoofer should be sited in the most suitable position, preferably not directly in the corner of a room as this may cause excessive bass boom. Once a desirable position is achieved it is important to check if the cables are long enough to reach comfortably without being under tension. The RCA inputs cables should be less than 10 metres to avoid interference.

The Vestra W15 is rear ported and so may need slightly more room at the rear to prevent excessive bass boom. If the room isn't getting excited enough, then it can be moved closer.

Audio Connections

When using a mono subwoofer output from your amplifier/ receiver, connection is made by RCA type connectors to the left or right input.

If a stereo RCA connection is preferred, connect to the left and right RCA inputs pre-amp outputs on your source amplifier.



Do not connect or disconnect the signal leads with the subwoofer switched on.

Power

To power on the subwoofer connect the supplied IEC power cable and turn on the power switch on the amp panel.

AV System

The Majority of AV amplifiers have automatic setup systems. If your amp has an auto set up procedure, run this now with the volume set to around 10 - 12 o'clock, the power mode switch in the On position and the Crossover dial set to LFE.

When the auto set up is complete check the settings on the AV amp for the sub woofer to ensure they are correct. The crossover frequency should be roughly the same as in the table on page 3 and the level should be no more/ less than +/- 3dB. If not we would suggest adjusting accordingly.

Now play a variety of music/ film excerpts that you are familiar with gradually increasing the volume to an average listening level once you are sure everything is working correctly.

Stereo System

Stereo L & R input may be required if using a 2-channel stereo amplifier, or an amplifier with no LFE output. Connect 2 x interconnect cables (left and right) from an amplifier to connections marked Inputs L & R.

With the pre/ integrated amplifier set to a low level, set the subwoofer up using the suggested guide below before playing any music/ test tones.

- Set the volume to around 10 o'clock (Page 2) .
- Frequency should be set in accordance to your main speakers (refer to the table on Page 3) .
- Phase to 0 (Page 3) .

Now play some familiar music and gradually adjust the volume and/ or the frequency until happy with the integration and balance of the sub woofer with the rest of the systemt.

Type of Main Speaker	Crossover Control Setting
Large floor-standing speaker	20-80 Hz
Small floor-standing speaker	30-80Hz
Large stand-mount/ bookshelf speaker	30-80 Hz
Small stand-mount/ bookshelf speaker	40-100 Hz
Small satellite speaker	80-120 Hz

Upkeep of cabinets

The finish of the cabinet can be maintained by regular dusting using a soft or micro fibre cloth. The drive units should only be cleaned with a damp cloth, if more than normal dusting is required. Be careful not to damage the driver units whilst cleaning.

Never use solvents or aggressive cleaning / polishing agents on your Anthra Subwoofer. When in doubt, test the cleaning product on an inconspicuous area on the cabinet, and let it sit for several days before committing to its use on visible portions of the cabinet.

Warranty

In the unlikely event that there is a defect with this product, it is covered by the Monitor Audio manufacturer's warranty, provided that the product was supplied by an authorised Monitor Audio retail specialist.

For the period of cover please refer to the product page on our website at monitoraudio.com

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Model	Vestra W10	Vestra W12	Vestra W15
System Format	Active	Active	Active
Frequency Response, In-Room (-6dB)	19 - 200 Hz	17 - 200 Hz	17 - 200 Hz
Maximum Usable SPL - Peak (CTA 2010-B, Z-weighted, half-space)	111 db	115 dB	117 dB
Amplifier Output Instantaneous (RMS)	250 W	500 W	500 W
Amplifier Classification	High-Efficiency Class-D	High-Efficiency Class-D	High-Efficiency Class-D
Bass Alignment	Sealed	Sealed	Ported
Low Pass Filter Frequency (-6db)	32 - 200 Hz	32 - 200 Hz	32 - 200 Hz
Inputs	Stereo Unbalanced RCA LFE Unbalanced RCA 12 V Trigger 3.5 mm mono jack	Stereo Unbalanced RCA LFE Unbalanced RCA 12 V Trigger 3.5 mm mono jack	Stereo Unbalanced RCA LFE Unbalanced RCA 12 V Trigger 3.5 mm mono jack
Input Impedance	47 kOhms	47 kOhms	47 kOhms
Phase Control	0° & 180° Toggle Switch	0° & 180° Toggle Switch	0° & 180° Toggle Switch
Equalisation DSP	3 pre-set modes: Impact, Movie, Music	3 pre-set modes: Impact, Movie, Music	3 pre-set modes: Impact, Movie, Music
Auto Music Sensing	Auto On: Line Level >3 mV Auto Stand-by after 20 mins	Auto On: Line Level >3 mV Auto Stand-by after 20 mins	Auto On: Line Level >3 mV Auto Stand-by after 20 mins
Mains Input Voltage	Universal Mains, 85 - 265 VAC, 50 - 60 Hz	Universal Mains, 85 - 265 VAC, 50 - 60 Hz	Universal Mains, 85 - 265 VAC, 50 - 60 Hz
Power Consumption (1/8th Maximum Output)	60 W	120 W	120 W
Drive Unit Complement	1x 10" (254 mm) High Linear-Excursion Driver	1 x 12" (305 mm) High Linear-Excursion Triple Suspension Driver	1x 15" (381 mm) High Linear-Excursion Triple Suspension Driver
External Dimensions with all accessories fitted (H x W x D)	344 x 330 x 360 mm (13 ^{1/2} x 13 x 14 ^{3/16} ")	385 x 371 x 401 mm (15 ^{9/16} x 14 ^{9/16} x 15 ^{13/16} ")	540 x 526 x 556 mm (21 ^{1/4} x 20 ^{1/16} x 21 ^{7/8} ")
Weight	13.3 kg	18.3 kg	30.3 kg
Grille	Cloth covered	Cloth covered	Cloth covered

Listen Again.

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