

ViO X205

100x100° horn directivity / 60x60° horn directivity



Quick start user manual Section 1

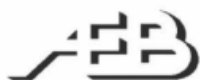
The warnings in this manual must be observed together with the "USER MANUAL - Section 2".

Le avvertenze nel presente manuale devono essere osservate congiuntamente al "MANUALE D'USO - Sezione 2".

Die Warnungen in diesem Handbuch müssen in Verbindung mit der "BEDIENUNGSANLEITUNG - Abschnitt 2" beobachtet werden".

Les avertissements spécifiés dans ce manuel doivent être respectés ainsi que les "CARACTERISTIQUES TECHNIQUES - Section 2".

Las advertencias del presente manual se deben tener en cuenta conjuntamente con las del "MANUAL DEL USUARIO" - Sección 2".



Thank you for choosing a dBTechnologies Product!

The VIO X205 is a versatile active speaker. It is equipped with one 1" (1.4" voice coil), and two 5" woofer (1" voice coil). The acoustical design allows the vertical or horizontal usage (for example in under-balcony applications). The coverage pattern is 60° x 60° (VIO X205-60) or 100° x 100° (VIO X205-100), depending on the model. A local DSP presets control rotary and RNet connections for remote control increase versatility in different scenarios.

Check the site www.dbtechnologies.com for the complete user manual!

1) Unpacking

The box contains:

N°1 VIO X205

N°1 Mains cable

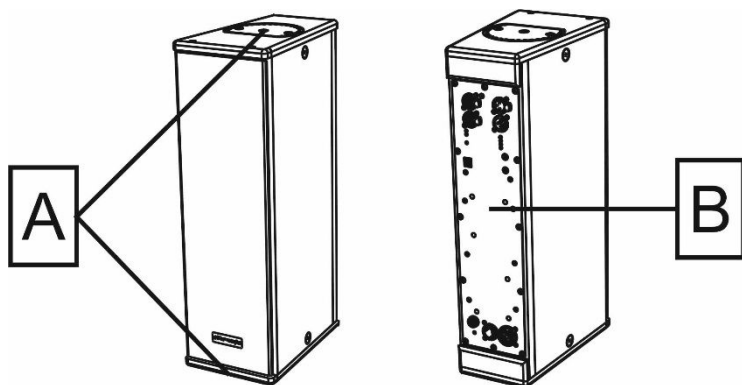
This quick start and warranty documentation

2) Easy installation

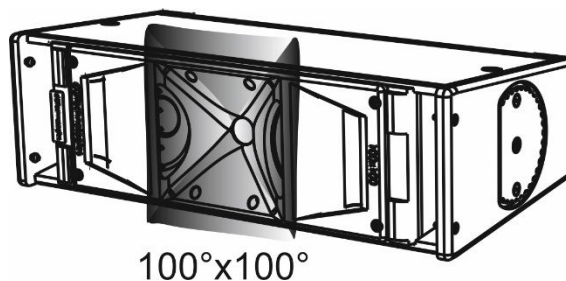
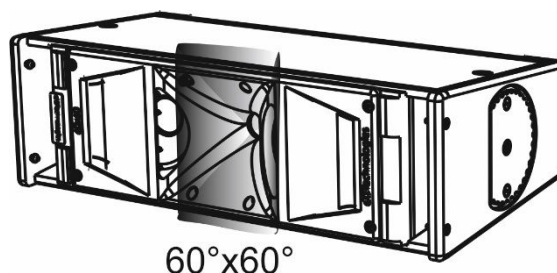
Vio X205 is equipped with:

The acoustical design allows to face different environments. The dispersion pattern is shown in the below pictures.

As described, the related pattern data are: 60° x 60° (VIO X205-60) or 100° x 100° (VIO X205-100), depending on the model.



A – Mechanical predisposition for brackets
B – Rear amp control panel



Those mechanical particulars were thought for an easy use and for different configuration needs.

The main configurations are two: wall-mounted, and on tripod stand. The main accessories are shown here below:

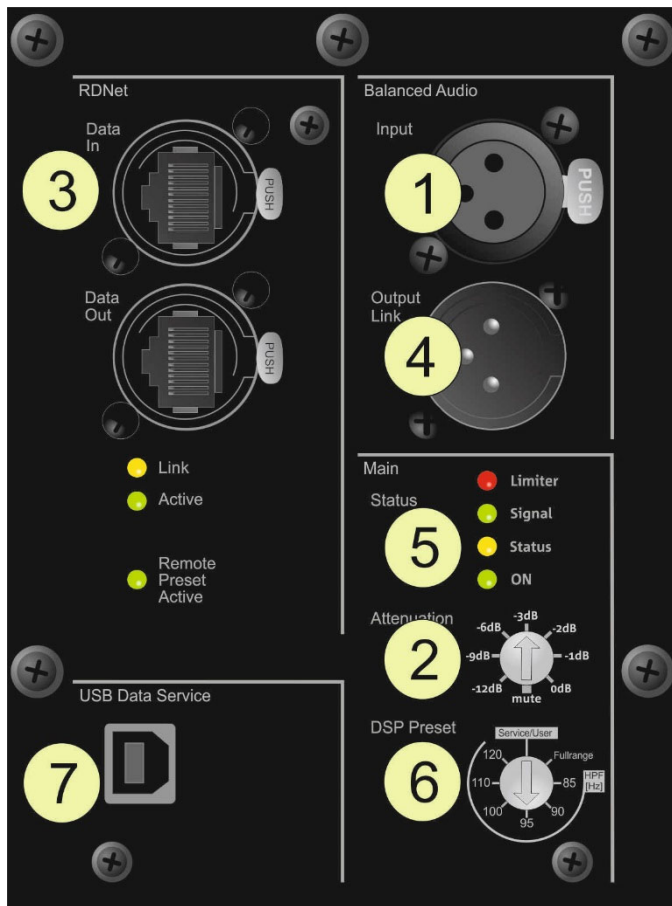
Installation type	Accessory
Wall mounting (vertical)	WB-VIOX205V
On tripod stand (vertical)	WB-VIOX205V + pole adapter
Wall mounting (horizontal)	WB-VIOX205H
On tripod stand	SA-VIOX205



IT IS MANDATORY TO READ THE COMPLETE USER MANUAL!

3) Connections, controls, first turn on

All the connections and controls are in the amplifier panel side:



- 1) Balanced Audio Input (XLR type)
- 2) Audio Attenuation
- 3) RNet connections with LEDs
- 4) Output link
- 5) Status LEDs
- 6) DSP Preset (HPF)
- 7) USB data Service (firmware update)
- 8) Auto Range Mains Input
- 9) Mains Link
- 10) Mains Fuse

- a) Connect the audio input (1).
Adjust the level of Attenuation (2).
- b) If you need to link VIO X205 to another one, please use a cable with XLR connectors (not supplied).
Connect the Link output (4) of the first, to the balanced Input (1) of the second one.
- c) Set properly the DSP preset switch (6). It is possible to apply an HPF filter [Fullrange, 85, 90, 95, 100, 110, 120 Hz].
- d) In case of remote control, connect the proper Data Input (3) of the first module to the hardware remote controller (RNet Control 2 or RNet Control 8) with cables equipped with etherCON connectors. Then connect the Data Output (3) of the first module to the Data Input (3) of the second one, and so on.
When the RNet network is on and it has recognized the connected device, the LED "Link" is on. The other LED "Active" start blinking when there is the presence of data transmission, the "Remote Preset Active" advise that all the local controls set on the amplifier panel (level, DSP presets, etc.) are by-passed and controlled remotely by RNet.
See also RNet Control 2 and RNet Control 8 user manuals for further information.
- e) Plug properly the mains PowerCON TRUE1 input cable (supplied) in the related input (8).

Check the complete user manual on www.dbtechnologies.com for further information about the system and available accessories.

Scarica il manuale completo da www.dbtechnologies.com per ogni ulteriore informazione sul sistema e sugli accessori disponibili.

Für weitere Informationen und verfügbares Zubehör lesen sie bitte die vollständige Bedienungsanleitung unter www.dbtechnologies.com.

Vérifiez le manuel de l'utilisateur complet sur www.dbtechnologies.com pour des informations complémentaires du système et des accessoires disponibles.
Compruebe el manual de usuario completo sobre www.dbtechnologies.com para la información adicional sobre el sistema y accesorios disponibles.



Technical Data

Speaker Type: 2-way wooden active speaker
Usable Bandwidth [-10 dB]: 75 - 21000 Hz
Frequency Response [-6 dB]: 80 - 20000 Hz
Max SPL (1 m): 126 dB
HF: 1 " Exit
HF voice coil: 1.4"
LF (2x): 5"
LF Voice Coil: 1"
Crossover frequency: 1500 Hz (24 dB/oct)
Coverage pattern:
60° / 60° (VIO X205-60) - 100° / 100° (VIO X205-100)

Amplifier

Amp Technology: Digipro G3
Amp Class: Class-D
RMS Power: 400 W

Operating voltage (auto-range):

220-240V~ (50-60Hz) /
100-120V~ (50-60 Hz)

Processor and user interface

Controller: 28/56 bit
AD/DA Conversion: 24 bit 48 kHz
Limiter: Peak, RMS, Thermal
Controls: DSP Rotary Encoder, Attenuation,

Input / Output

Mains connections: PowerCON TRUE
Signal Inputs: 1 x balanced XLR
Signal Out: 1 x balanced XLR
RNet: Data In, Data Out

Mechanics

Housing: Wooden Box
Grille: Full metal grille
Width: 150 mm (5.9 in)
Height: 485 mm (19 in)
Depth: 240 mm (9.4 in)
Weight: 7.8 kg (17.2 lbs)



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POWER SUPPLY SPECIFICATIONS (POWER ABSORPTION)

Draw at 1/8 of full power in average use conditions (*): 0.14 A (220-240V~) - 0.26 A (100-120V~)
Draw at 1/3 of full power in maximum use conditions (**): 1.5 A (220-240V~) - 2.5 A (100-120V~)

* INSTALLER NOTES: The values refer to 1/8 of full power, in average operating conditions (music program with infrequent or no clipping). It is recommended to consider them the minimum sizing values for any type of configuration.

** INSTALLER NOTES: The values refer to 1/3 of full power, in heavy operating conditions (music program with frequent clipping or activation of the limiter). We recommend sizing according to these values in case of professional installations and tours.

Download the complete user manual from the site:

www.dbtechnologies.com/EN/Downloads.aspx

EMI CLASSIFICATION

According to the standards EN 55032 and EN 55035 this equipment is designed and suitable to operate in class B electromagnetic environments.

FCC CLASS B STATEMENT ACCORDING TO TITLE 47, PART 15, SUBPART B, §15.105

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

1. Reorient or relocate the receiving antenna.
2. Increase the separation between the equipment and receiver.
3. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
4. Consult the dealer or an experienced radio/TV technician for help.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment

WARNING: Make sure that the loudspeaker is securely installed in a stable position to avoid any injuries or damages to persons or properties. For safety reasons do not place one loudspeaker on top of another without proper fastening systems. Before hanging the loudspeaker check all the components for damages, deformations, missing or damaged parts that may compromise safety during installation. If you use the loudspeakers outdoor avoid spots exposed to bad weather conditions.

Contact dB Technologies for accessories to be used with speakers. dBTechnologies will not accept any responsibility for damages caused by inappropriate accessories or additional devices.

Features, specification and appearance of products are subject to change without notice.

dBTechnologies reserves the right to make changes or improvements in design or manufacturing without assuming any obligation to change or improve products previously manufactured.