



USER GUIDE

EXAT20-CR-BK / EXAT21-BK

**ELUX SERIES
ACTIVE FLOORSTANDING
LOUDSPEAKERS**

Welcome!

Congratulations on your purchase of an Elux Series product from VM Audio. You have seen that with years of acquired taste for quality, the Elux Series has the right design and performance to satisfy your utmost demand. With music so clear and rich and bass so low and loud, you will be immersed in a world of musical euphoria that anything else will seem like white noise. By following the installation instructions carefully, you will ensure yourself performance that will be enjoyed from each use for years to come. Reward yourself with the finer things in life.

About This Manual

The instructions in this user guide are for models EXAT20-CR-BK and EXAT21-BK. The EXAT21-CR-BK is the model used for illustration purposes.

This user guide describes the controls on the speaker system. You can use the controls on the remote if they have the same or similar names as those on the control panel.

VM AUDIO

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V M A U D I O

Warning!



WARNING

RISK OF ELECTRIC
SHOCK



To prevent fire or electric shock:

- Do not expose the unit to rain or moisture.
- Do not open the cabinet.
- Do not use these speakers near water.
- Do not expose these speakers to dripping or splashing liquids
- Do not set objects containing liquids on units.
- Do not spill liquids into any part of the speaker system.
- Do not overload wall outlets and extension cords.
- Do not run power cables and speaker wires through sharp edges.
- Do not pinch power cables and speaker wires.
- Do not expose the bare wires from the power cable and speaker wires.
- Do not remove the back amplifier plate. No user-serviceable parts inside.
- Refer servicing to qualified personnel only.

CAUTION:

Any change or modifications not expressly approved in this manual could void your warranty for this equipment.

Precautions

On Safety

- Contact between bare speaker wires may result in a short-circuit.
- Should any liquid or solid object fall into the speaker system, unplug the system's power cord and have the system checked before operating it any further.

On Power Sources

- Before operating this speaker system, check that the operating voltage of the speaker system is identical to the wall outlet voltage where the speaker is being connected.
- If you are not going to use the speaker system for a long period of time, be sure to disconnect the speaker system from the wall outlet. To disconnect the AC power cord (mains lead), grasp the plug itself and never pull the cord.
- AC power cord must be changed by qualified electrical personnel.

On Placement

- Use good lifting practice when moving speakers to avoid injury.
- Do not install the speakers in an inclined position.

On Operation

- Before making any connections, turn off your receiver or audio source and unplug it from the AC (mains) power outlet. Not doing this may result in damage to your system.
- The volume level should not be turned up to the point of distortion.

On Adjusting Volume

- Do not turn up the volume while listening to a portion with very low level inputs or no audio signals. If you do, the speakers may be damaged when a peak level portion is played.

On Cleaning

- Clean the cabinet, panel and controls with a soft cloth slightly moistened with a mild detergent solution. Do not use any type of abrasive pad, scouring powder or solvent such as alcohol or benzene.

System Features

- Premium Sound With Smooth & Detailed Reproduction
- Easy 1-2-3 Direct Play Setup
- All-In-One Home Audio Solution
- Wide Range 3-Way Soundstage Performance
- Fully Powered, Bi-amplified System
- Advanced Wireless Bluetooth Connectivity
- Internal, Magnetic Motor Shielding Protection
- Optimum Bass Reflex Wood Enclosure Design
- CAD Energized Bass Port Design
- Soft Dome 1.5" High Frequency Driver
- High Performance 4" Midrange Driver
- Deep Note 8" Solid Bass Subwoofer
- Karaoke Function with Dual Mic Input & Echo Control
- USB Drive / SD Card Music Playback
- WMA / MP3 Music File Compatibility
- Bass, Treble, Mic, Echo & Volume Adjustments
- Built-In Digital Control POD
- High Clarity Class A/B Amplifier Technology
- Infrared Full Function Wireless Remote Control

Included

Review the contents of the package and make sure the following items are included:

Speaker Cabinets



Remote



RCA-to-RCA Cables



20ft Speaker Wire



RCA-to-3.5mm Cable



User Guide



Overview

Front View



Left Speaker

Right Speaker

Overview

Rear View



Overview

Side View

Digital Control
Pod



Side Panel
Control



Left Speaker

Overview

Top View

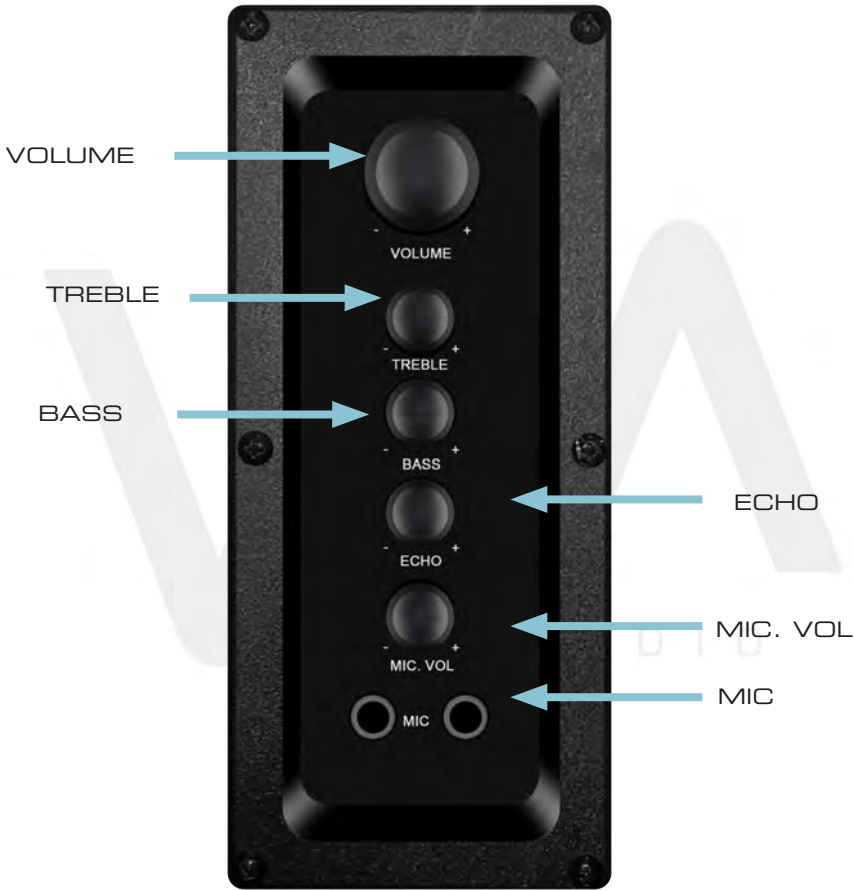
Digital Control
POD



Left Speaker

Overview

Level Control Panel



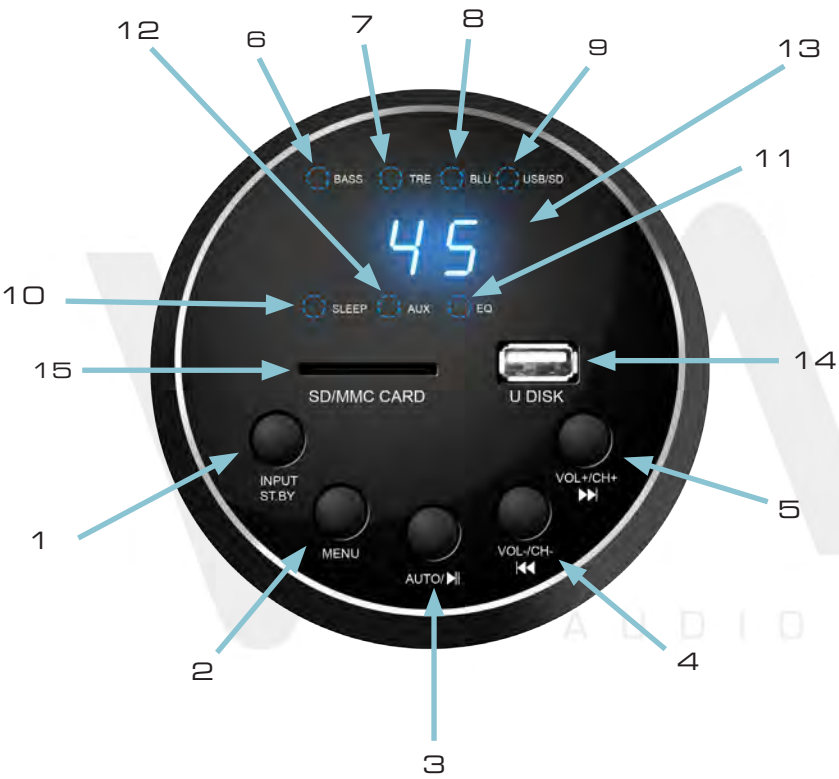
Overview

Amplifier Back Plate



Overview

Digital Control POD



Overview

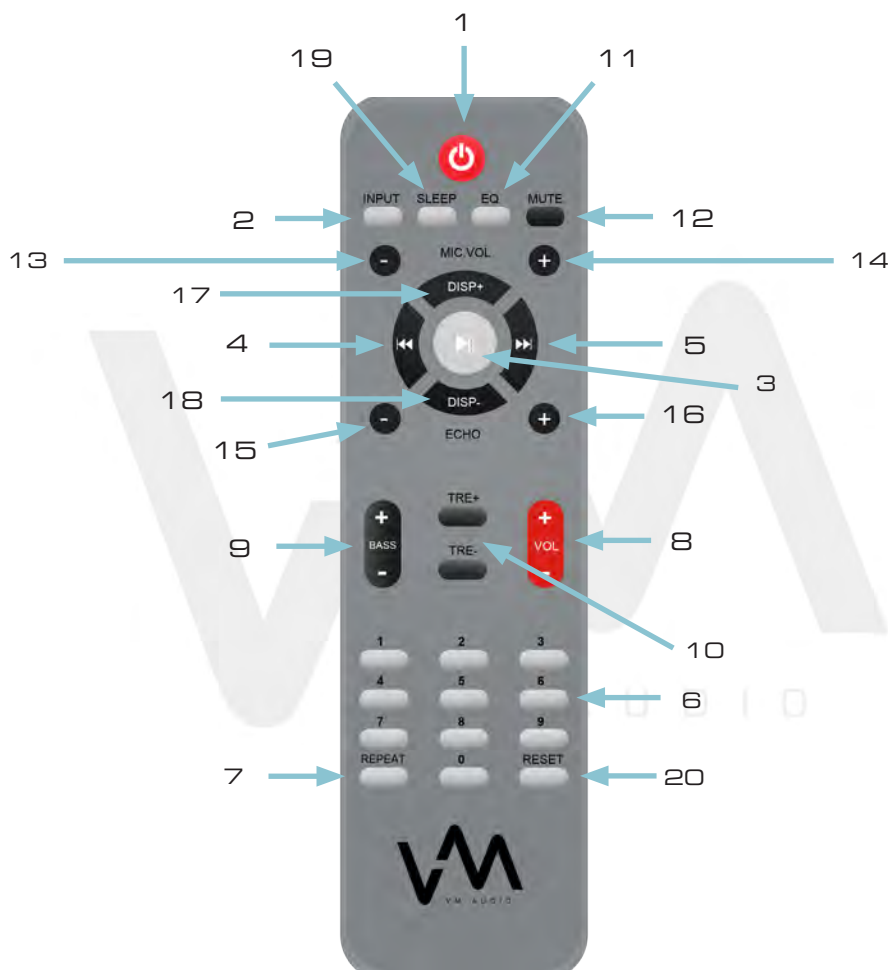
Digital Control POD Functions

- 1 - Input selector / On-OFF wake button.
- 2 - Tone control selector button.
- 3 - Play / Pause control button.
- 4 - Reverse skip function / Volume down button.
- 5 - Forward skip function / Volume up button.
- 6 - LED indicator for bass adjustment.
- 7 - LED indicator for treble adjustment.
- 8 - LED indicator for Bluetooth operation.
- 9 - LED indicator for USB/SD operation.
- 10 - LED indicator for sleep timer function.
- 11 - LED indicator for equalizer preset function.
- 12 - LED indicator for Auxiliary operation.
- 13 - LED display.
- 14 - USB drive input port.
- 15 - SD card input port.

V M A U D I O

Overview

Remote



Overview

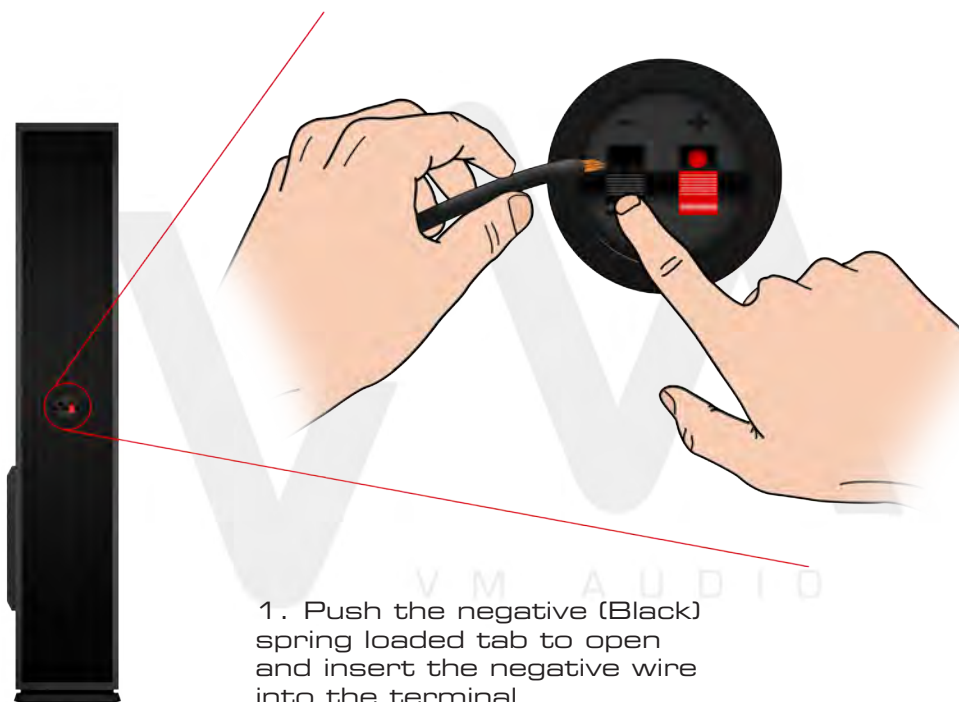
Remote Function Buttons

- 1 - System On-OFF wake.
- 2 - Input selector switch.
- 3 - Play / Pause control function.
- 4 - Reverse skip function.
- 5 - Forward skip function.
- 6 - Direct numeric input keypad.
- 7 - Repeat function.
- 8 - Volume level adjustment.
- 9 - Bass level adjustment.
- 10 - Treble level adjustment.
- 11 - Equalizer preset function.
- 12 - Mute function.
- 13 - Microphone level decrease.
- 14 - Microphone level increase.
- 15 - Echo level decrease.
- 16 - Echo level increase.
- 17 - Dimmer display increase.
- 18 - Dimmer display decrease.
- 19 - Sleep timer function.
- 20 - System reset function.

Connections

Speaker Wire Connection

Right Speaker



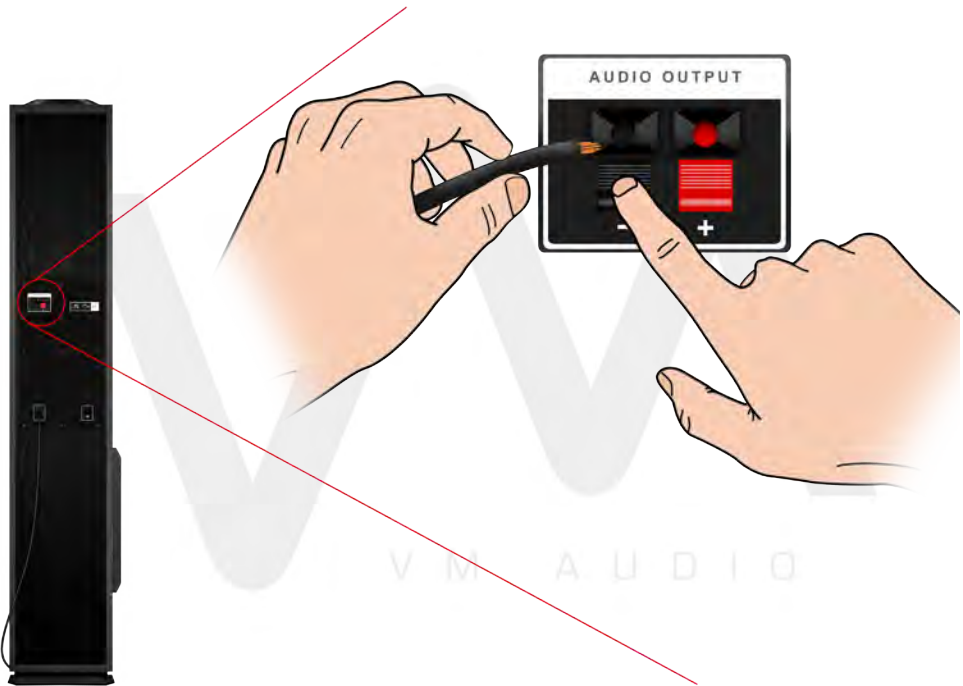
1. Push the negative (Black) spring loaded tab to open and insert the negative wire into the terminal.

2. Push the positive (Red) spring loaded tab to open and insert the positive wire into the terminal.

Connections

Speaker Wire Connection

Left Speaker



Be sure to only connect positive speaker wires to positive terminals (Red), and negative speaker wires to negative terminals (Black).

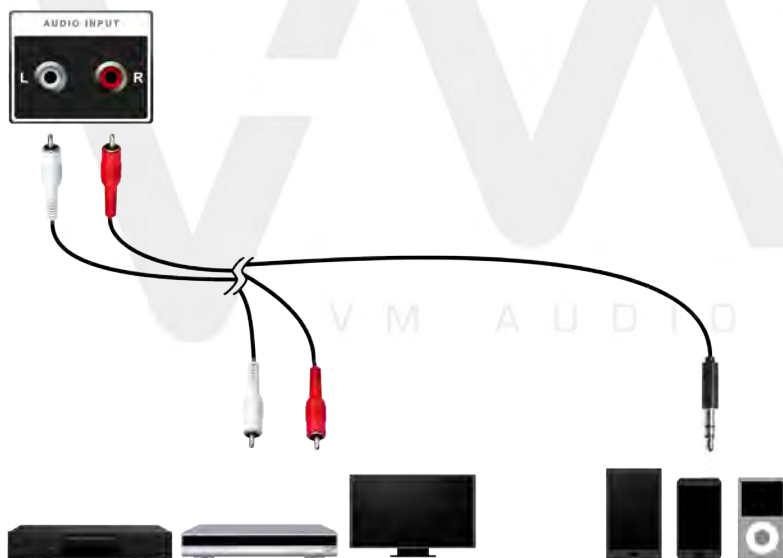
Connections

Connection Audio Source

Be sure to turn off the power of each component before making the connections.

When connecting the RCA cable, be sure to match the color-coded cord to the appropriate jacks on the components. Red (right) to Red and White (left) to White. Be sure to make firm connections to avoid humming and noise.

Analog RCA Inputs



Connections

Power Cord Connection



Settings & Adjustments

Turning Speaker System On

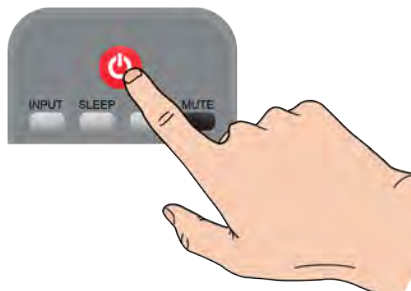
- Volume level will automatically self adjust to 45 and it will display on the LED screen.
- Input source from the last session will be selected.

Press POWER switch to ON position to provide power to system.



Using Remote

Press POWER button to turn ON speaker system.



Settings & Adjustments

Source Input Selection

Use this function to select the desired input audio source.

Using Digital Control POD

Press INPUT repeatedly to select the desired audio source.



Using remote



Press INPUT button repeatedly to select the desired audio source.

Select the following:

- AUX - To play directly from a portable audio device.
- BLU - To transmit audio wirelessly through Bluetooth.
- USB - To play MP3 or WMA audio files using USB flash drive or SD card.

Settings & Adjustments

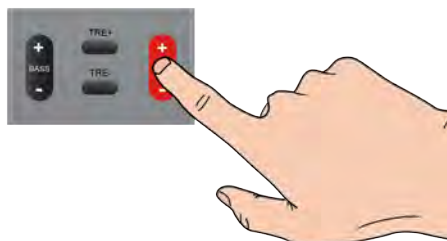
Adjusting Volume

Using Level Control Panel



Turn VOLUME knob clockwise to increase volume, turn counterclockwise to decrease volume.

Using remote



Press VOL + to increase, VOL - to decrease volume.

Settings & Adjustments

Adjusting Volume

Using Digital Control POD

This function is only available when AUX input is selected.



Mute Sound

Using Remote



Settings & Adjustments

Adjusting Tone Quality

Using Level Control Panel

Adjusting Treble



Turn TREBLE knob clockwise to increase level, counterclockwise to decrease level.

Adjusting Bass

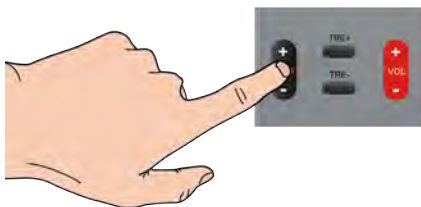


Turn TREBLE knob clockwise to increase level, counterclockwise to decrease level.

Using Remote

Press BASS + to increase, BASS - to decrease level.

Press TRE + to increase, TRE - to decrease level.



Settings & Adjustments

Adjusting Tone Quality

This function is only available when AUX input is selected.

Using Digital Control POD

Press Menu to select
BASS or TREBLE



Press VOL + to
increase level, VOL -
to decrease level.

Settings & Adjustments

Adjusting Microphone Level

Using Level Control Panel



Turn TREBLE knob clockwise to increase, counterclockwise to decrease level.

Using Remote

Press TRE + to increase, TRE - to decrease level.



Settings & Adjustments

Adjusting Echo Level

Using Level Control Panel



Turn TREBLE knob clockwise to increase, turn counterclockwise to decrease level.



Using Remote

Press TRE + to increase, TRE - to decrease level.

Settings & Adjustments

Choosing Music File To Play

Function only available when BLU (Bluetooth) or USB/SD input is selected.

Using Control POD



1. Press the >>| + button to go to the next track or forward skip tracks until the track number you want appears on the display of the Digital Control POD.

2. Press the - |<< button to go to the previous track or reverse skip tracks until the track number you want appears on the display of the Digital Control POD.

Using Remote



Settings & Adjustments

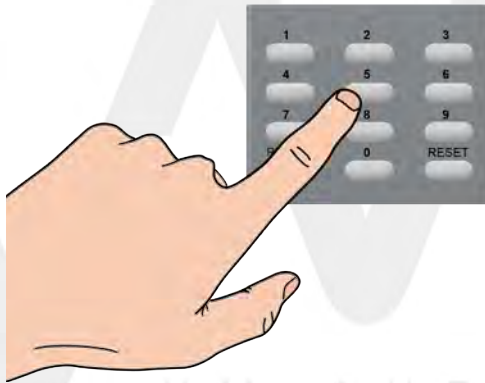
Direct Access Play

This function allows quick access to tracks by entering their track number.

Track number can be entered at any time during playback.

Function only available when BLU (Bluetooth) or USB/SD input is selected.

Using Remote



- Enter the track number into the numeric key pad.
- To select a two-digit track, press two numbers within 4 seconds and press play.

Note

If two numbers are pressed and the play button is not pressed right after, the two-digit track will play after a few seconds.

Settings & Adjustments

Repeat Play

This function allows you to repeat one track, shuffle tracks (play in random), and continuous play all the tracks in a loop when in USB/SD or Bluetooth is use.

Repeating The Current Track

While the track you want is being played, press REPEAT until "ONE" appears on the display in the Digital Control POD. The current track will repeat continuously.



To Cancel REPEAT

Press REPEAT repeatedly until "ALL" appears in the Digital Control POD display.



Note

Repeat "ALL" is the default setting when a USB drive or SD card is in use.

Repeat "ALL" plays all the tracks in the USB drive or SD card in a continuous loop.

Repeat "ALL" cannot be cancelled unless a different repeat feature is selected.

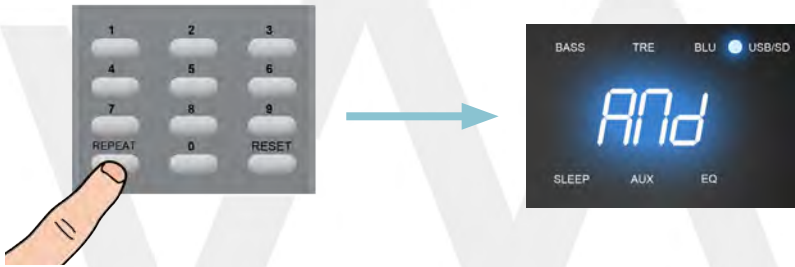
Settings & Adjustments

Repeat Play

This function allows you to “shuffle” tracks and play in random order.

Random Order Play

While the track you want is playing, press REPEAT until “ANd” appears on the display in the Digital Control POD. All the tracks in USB drive or SD card will play in random order continuously.



To Cancel Random Order Play

Press REPEAT repeatedly until “ALL” appears in the Digital Control POD display.



Settings & Adjustments

Pausing Music Playback

Function only available when BLU (Bluetooth) or USB/SD input is selected.

Using Control POD



1. Press the >|| button once to pause.

2. Press, >|| button once again to resume playback.

Using Remote



Note

LED display will blink when pausing.

Settings & Adjustments

EQ Presets

Four equalizer presets are available to customize the sound (Pop, Jazz, Rock, Classic).

Note

Function only available when USB/SD input is selected.

1. Repeatedly press the EQ button to cycle through the EQ options (EQ1, EQ2, EQ3, EQ4)
2. To cancel EQ, press EQ repeatedly until EQOF appears on display.

Remote



Display Dimmer

This function adjusts the intensity brightness of the LED display.

Brightness can only be adjusted via the REMOTE.

1. Repeatedly press the DISP + button to increase the display brightness.
2. Press DISP - button to decrease brightness.



Settings & Adjustments

Sleep Function

Use SLEEP feature to put speaker system in Stand-by mode at a predetermined time.

You can set time in 10 minute intervals.



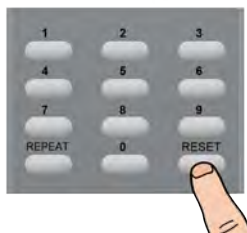
1. Press SLEEP repeatedly until the desired time is reached and it appears in the Digital Control POD display.
2. To cancel timer, press SLEEP repeatedly until 0 appears in the Digital Control POD display.

Maximum time that is reached is 120 minutes.

Reset Mode

Reset function, adjusts all levels and settings to their original factory configurations.

Press RESET button on the REMOTE once.



Once all levels and settings are reset, 45 will appear in the Digital Control POD display.

If RESET is set during USB / SD playback, 45 will appear for a brief moment.

Operation

Using AUX Audio Source

Step 1: Select AUX as the audio INPUT source if it is not already selected (see page 23).

Step 2: Start audio source and play track (refer to the audio source's user guide for instructions).

Step 3: Adjust the VOLUME level (see pages 24-25).

Step 4: Adjust TONE levels as desired (see pages 26-27).

Using Bluetooth Audio Source

Bluetooth Pairing

Step 1: Select BLU as the audio INPUT source if it is not already selected BLU LED will blink rapidly to indicate pairing mode is ready.

Step 2: Set your device to Bluetooth pairing mode (refer to the audio source's user guide for instructions).

Step 3: Search select MUSIC_BT01

Step 4: When pairing is a success and complete the BLU LED will stop blinking and will remain on.

Step 5: Start music playback.

Step 6: Adjust VOLUME level (see page 24).

Step 7: Adjust TONE levels as desired (see pages 26).

Note

Average Bluetooth wireless range is 30 ft.

Operation

Using USB/SD Audio Source

Step 1: Insert the USB drive or SD card to it's corresponding USB or SD port on the Digital Control POD.



Step 2: Music playback will begin automatically.

Step 3: Search select MUSIC_BT01

Step 4: Adjust VOLUME level (see page 24).

Step 5: Adjust TONE to the desired levels (see page 26).

Note

- INPUT will recognize drive and will automatically select USB input.
- When inserting an SD card, "SD" will briefly display on the LED screen, followed by the number of tracks on the card, the track number it will currently play and end with the track time running.
- When inserting a USB drive, USB will briefly display on the LED screen, followed by the number of tracks on the drive and end with the track time running.

Operation

Using Microphone

Step 1: Connect the microphone to the input plug on the Level Control Panel.



Step 2: Adjust the microphone level (see page 28).

Step 3: Adjust the ECHO level (see page 29).

Caution

- Do not drop or tap microphone as damage to the mic or speakers may occur.
- Avoid feedback by placing the microphone behind the speakers.
- Do not point microphone directly to the front of the speakers.

Speaker Placement

Placement

The speakers should be placed within a 1.5 meter and 3 meters apart. You should position your speakers so that each one is at least 0.5 meter away from any bare wall.

Improving Sound Quality

The speaker system allows for an extensive amount of settings that are user-friendly. While the quality of the speaker system is superb it may fall prey to some of the quality reducing issues all speakers encounter. It's important to know that the dimensions and construction of your home as well as your home furnishings will all play a role in the quality of the speaker system. The extra steps taken to correct the positioning of the speaker system will ultimately result in a better sound and clarity coming from the speaker system.

Anywhere from mid to high frequencies are affected by amount of plush material in a room. Some of the most common types of this material include carpets, sofas, beds, and soft curtains. Too much of these materials can result in a sound that is low and dull to the user. Just as there can be too much of this material, there can also be too little of the material which can result in an uncomfortably bright sound quality for the user. So with both in mind, a stable amount of soft furnishings must be achieved to receive the best quality sound coming from the speaker system.

Equalities between a room's height, width, and length can also prove to be an issue in the quality of the speaker system for it will produce low frequency standing wave problems, which means the clarity of the system will not be up to par. If no other rooms provide a better solution to this problem then experiment with different placement of the speakers to reduce these negative effects.

Troubleshooting

No Power

- Press the Power/Standby button to turn power on.
- Make sure unit is connected to AC power.

No Sound

- Raise volume to check output.
- Volume ON from the audio source might be muted or low.
- Make sure correct input is selected.
- Ensure speaker wires are connected.
- Check RCA cable connectivity.

No sound from the microphone

- Make sure it is firmly connected to the MIC input jack.
- Make sure it is turned on (see microphone user manual).
- Make sure the MIC volume controls are not on the lowest setting.
- Main VOLUME is set to minimum; raise volume.

File(s) on USB/SD not playing

- The file may be corrupted; replace file.
- The file is not in a format this unit will play.
- The connected USB device is not supported by the system.

The Bluetooth device cannot connect or be paired.

- You have not activated the Bluetooth function on your device; refer to the Bluetooth device user manual.
- The unit is not in pairing mode; (see page 37 to pair).
- The unit is already connected with another Bluetooth device; refer to the Bluetooth device user manual to prepare your device pairing and see page 37 for pairing).

Limited Warranty Agreement

Your product is covered by a limited warranty by VM Audio as established below:

Electronics Limited Warranty

Products purchased from an Authorized VM Audio Dealer are warranted to be free of defects in material and workmanship for one (1) year from the date of original purchase under normal usage. Products that are identified as "refurbished" have a limited warranty of ninety (90) days from the date of original purchase. Dated proof of purchase (original receipt or invoice) will be required for all warranty claims. In the unlikely event that you experienced a manufacturing defect or malfunction during the warranty period, VM Audio will repair the defective product or replace with the same or equivalent product if the same item is not available or discontinued. Replacement product may have superficial blemishes or scratches that do not affect the performance of the product. This warranty is only intended and valid for the original purchaser and cannot be extended to subsequent owners. Any applicable implied warranties are limited to the period of the expressed warranty starting from the original purchase date. No warranties, expressed or implied, will be accepted after the previously listed periods. Exclusions may apply; please check your local state laws.

Instructions for Claiming Warranty Service

If you should require warranty service, please return the product to the Authorized VM Audio Dealer you originally purchased the item for an experienced and speedy claim of your warranty service. Contact VM Audio directly to find the Authorized Dealers nearest you.

In the case the defective merchandise needs to be returned to VM Audio, please contact us and a Return Merchandise Authorization (RMA) number will be assigned. It is important to pack all defective items in the original packaging to prevent damages from shipping, and be sure to write the RMA number clearly on the outside of the box for faster processing. Do not include non-defective items as it is not necessary and will increase your shipping costs.

Limited Warranty Agreement (contd)

Include a copy of the original receipt or invoice with the purchase date, dealer's name, customer's name and invoice number clearly visible. Manufacturing date may be used if no proof of purchase is provided. The customer will pay to ship the defective product; COD will not be accepted.

Please follow the above instructions carefully to prevent voiding your warranty.

Your Warranty Service Does Not Cover the Following:

- Products not purchased from an Authorized VM Audio Dealer
- Damages from poor installation by not following the included instruction manual.
- Damages due to excessive moisture, heat and other elements from improper care.
- Evidence of tampering or repair by non-authorized personnel.
- Products not issued an RMA number.
- Damage during freight from poor packaging or handling.
- Return shipping on non-defective items.

Warranty Turnaround Time

It is VM Audio's goal to turnaround the merchandise in a timely fashion of 1 week. Unexpected delays may occur due to repair parts or replacement shortage.

International Warranty

Please check with your Authorized International VM Audio Dealer or distributor for specific warranty policies and process for your country.

Specifications

EXAT20-CR-BK

Loudspeaker Type	Full Range System
Cabinet Color	Chery-Black
High Frequency	1 1/2" Composite Soft Dome
Midrange Driver	4" Treated Composite Fiber
Bass Driver	8" Dual Pulp Cone
Audio Input	Analog RCA, Bluetooth, USB, SD
Frequency Range	35 Hz - 20 kHz
Power (RMS/Peak)	500W / 1500W
Weight	60.63 Lbs / 27.50 Kg
Dimensions (H x W x D)	38" x 6.38" x 13.86"
Operating Voltage	120V
Bluetooth Wireless Range	30 ft.
Microphone Input Jack	1/4" / 6.3mm

V M A U D I O

Specifications

EXAT21-BK

Loudspeaker Type	Full Range System
Cabinet Color	Black
High Frequency	1 1/2" Composite Soft Dome
Midrange Driver	4" Treated Composite Fiber
Bass Driver	8" Dual Pulp Cone
Audio Input	Analog RCA, Bluetooth, USB, SD
Frequency Range	35 Hz - 20 kHz
Power (RMS/Peak)	500W / 1500W
Weight	60.63 Lbs / 27.50 Kg
Dimensions (H x W x D)	38" x 6.38" x 13.86"
Operating Voltage	120V
Bluetooth Wireless Range	30 ft.
Microphone Input Jack	1/4" / 6.3mm

V M A U D I O

Notes



FCC STATEMENT

1. This device complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions:

(1) This device may not cause harmful interference. (2) This device must accept any interference received, including interference that may cause undesired operation.

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

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. In order to avoid the possibility of exceeding the FCC radio frequency exposure limits, Human proximity to the antenna shall not be less than 20cm (8 inches) during normal operation.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital, 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 the 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:

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

V M A U D I O



-the passion of sound-