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HELVIA HMX-44 Rackmount 4 In 4 Out Passive Matrix Mixer with Multi Player User Manual

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Product Information

Model	HMX-44 PLAY Series
Type	Rackmount Passive Matrix Mixer
Inputs	4
Outputs	4
Features	Multi-Player

Usage Instructions

1. **Precautions**
   - Important Safety Symbols:
   - The above warning is located on the rear of the unit.
   - The lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of uninsulated dangerous voltage within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.
   - The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.
2. **Important Safety Instructions:**
   - Read these instructions.
   - Keep these instructions.
   - Heed all warnings.
   - Follow all instructions.

Getting Started

- **Unpacking:** Carefully unpack the product.
- **First Start-Up:** Follow the instructions for initial setup.
- **Phantom Power**: Understand the usage of phantom power.

Product Overview

- Get an overview of the product's features and functionalities.

Operation

- Learn how to operate the HMX-44 PLAY Series Matrix Mixer with Multi-Player.

Specifications

- Refer to the specifications section for detailed technical information about the product.

Troubleshooting

- If you encounter any issues, refer to the troubleshooting section for assistance.

Warranty and Service

- Information regarding warranty and service is provided in this section.

Warning

- Read and understand the warning section carefully to avoid any potential risks.

Dear value Customer,

- First, thank you for purchasing a HELVIA® product. Our mission is to offer solutions based on the most up-to-date technologies for all systems integration needs in the private, commercial and corporate sectors.
- We hope you are satisfied with this product and, if you wish to participate, we would be very pleased to receive your feedback on the operation of this product and possible improvements for the future. You can go to "CONTACT" section of **www.frenexport.com** and send an e-mail with your opinion; this would help us make equipment that are closer to the real needs of our customers.
- Finally, please read this user manual carefully before using the product; incorrect use could cause damages to you and the product. Take care!

The HELVIA team

PRECAUTIONS

Important Safety Symbols

- **CAUTION** RISK OF ELECTRIC SHOCK DO NOT OPEN
- **CAUTION:** TO PREVENT ELECTRIC SHOCK DO NOT REMOVE COVER(OR BACK). NO USER-SERVICEABLE PARTS INSIDE
- **WARNING:** TOREDUCE THE RISK OF FIRE OR ELECTRIC SHOCK. DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE

The above warning is located on the rear of the unit

- The lightening flash with arrowhead symbol within an equi-lateral triangle is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of elec-tric shock to persons.
- The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompa-nying the product.

Important Safety Instructions

- Read these instructions
- Keep these instructions

- Heed all warning
- Follow all instructions

Water and Moisture

- The apparatus should be protected from moisture and rain and can not be used near water; for example near a bathtub, a kitchen sink, a swimming pool, etc.

Heat

- The apparatus should be located away from heat sources such as radiators, stoves or other appliances that produce heat.

Ventilation

- Do not block areas of ventilation openings. Failure to do so could result in fire. Always install according to the manufacturer's instructions.

Connections Safety

- Check for the correct mains voltage and condition of IEC lead before connecting to power outlet.
- Do not allow any foreign objects or liquids to enter the case, or through the venitilation grilles.

Power Cord and Plug

- In case of external power cord, protect it from being walked on or pinched partic-ularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- Please disconnect the device from power source by pulling the plug other than the power cord.
- Pulling the power cord may result in damages. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two poles; a grounding type plug has two poles and a third grounding terminal.
- The third prong is provided for your safety. If the provided plug does not fit into your outlet, refer to an electrician for replacement.

Power Supply

- In case of products with external power adapter, the unit should be connected to power adapters only of the type as marked on the apparatus or described in the manual.
- Failure to do so could result in damage to the product and possibly the user.
- Unplug this apparatus during lightning storms or when unused for long periods.

Fuse

- In case of products with external fuse holder, in order to prevent the risk of fire and damaging the unit, please use only of the recommended fuse type as de-scribed in the manual.

- Before replacing the fuse, make sure the unit turned off and disconnected from the AC outlet.

Positioning

- Please disconnect the device from power source before relocating the device.
- To avoid deformation of panels and damages to internal components, please do NOT place the device where there is heavy dust or violent vibration, or where it is extremely cold or hot.
- Please keep this device off water drops or splash or vase filled with water or any other articles of similar nature.
- For rack-mounting, ensure adequate support for the weight of the matrix.

Noise and Interferences

- Do not use the device in the nearby of a TV, radio, stereo equipment, mobile phone, or other electric devices. Otherwise, the device, TV, or radio may generate noise.

Electrical Connection

- Please disconnect other equipment from power source before they are connected to this product. Please turn volume to its minimum level before the device is pow-ered ON or OFF.
- Improper electrical wiring may invalidate the product warranty.

Precautions in Operation and Cleaning

- Please do NOT insert any finger into any gap or opening of the device. Also pre-vent foreign objects (paper, plastics or metal etc.) from being inserted or falling into any gap or opening of the device.
- In such case, please cut off power source immediately.
- Clean only with a dry cloth. Do not use any solvents such as ben-zene or alcohol.

Servicing

- Do not implement any servicing other than those means described in the manual. Refer all servicing to qualified service personnel only. Only use accessories/attach-ments or parts recommended by the manufacturer.

GETTING STARTED

Unpacking

- Thank you for purchasing your HMX-44 Play Matrix with Multi Player. All units have been rigorously tested before leaving the factory.
- This product is widely used in schools, shops, bars, pubs, shopping malls and other places: it is the ideal choice for public broadcasting.
- In order to facilitate your installation, commission-ing and use of this product, please read this manual before installation.
- Carefully unpack the carton and check the contents to ensure that all parts are present and in good conditions:

- 1 x Matrix
- 1 x 19" Rack Ear Kit (screws included)
- 1 x Active Antenna
- 1 x stereo RCA cable
- 1 x Power Cord
- 1 x Remote Control
- This User manual
- If anything got damaged during transport, notify the shipper immediately and keep packing material for inspection. Again, please save its carton and all packing materials. If the unit must be returned to the manufacturer, it is important that the unit is returned in the original manufacturer's packing. Please do not take any action without first contacting us.
- Our products are subject to a continuous process of further development. There-fore modifications to the technical features remain subject to change without further notice.

First Start-Up

- When starting up the matrix for the first time, please proceed as follows:

1. Turn down the attenuator of each zone.
2. Connect the matrix to a power source. Turn on the power switch. The power indicator will light.
3. Adjust the zone volume on the matrix until you reach the volume you want. If you need to change the wiring or installation, make sure to disconnect the power line of the equipment first.
4. Adjust volumes source levels according to your needs, and finally adjust again zone levels once reached the desired levels.

Phantom Power
Turn on the Phantom Power Switch on the desired input in case of condenser microphone. Please read the specifications of your condenser microphone and make sure it requires +48V Phantom Power. It is not recommended to turn on in normal use.
Warning: if it needs a power supply of less than 48V do not connect to your HMX matrix because you risk to damage the microphone.

PRODUCT OVERVIEW

- HELVIA has thought to respond to the main needs of those involved in small-to-medium audio installations offering versatility and compactness in an integrated solution such as the HMX-44.
- This is a little gem that integrates a passive matrix mixer with a 4-input, 4-output mixer and a multimedia player.
- The mixer section provides 3 combo Mic-Line inputs with 48V Phantom, a front mini-jack stereo Line input combined with the multimedia player with DAB+, FM, USB, BT.
- Each input has independent level adjustment, and the 3 combo Mic/Line inputs also possess high and low tone adjustment.
- All 4 inputs are assigned independently to the 4 zones and each zone has an out-put level control.
- The HMX-44 provides connection with HMX-MIC microphone base station via RJ45 connection.
- The station is equipped with alert chimes and allows the 4 zones to be selected independently.

Features:

- 4-In / 4-Out Matrix
- 4-channel mixer with 3 combo Mic/Line inputs and 1 Mini-jack Stereo front input
- Euroblock Line Outputs
- Multimedia Player with DAB+, FM, USB, BT and Remote Control
- 48V Phantom Power for condenser microphones and Priority on Mic 1
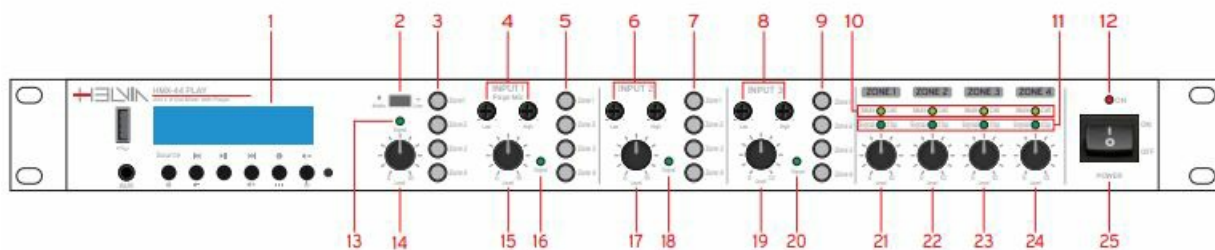- Small size in 1 rack unit
- Mute function in case of emergency

Product Size
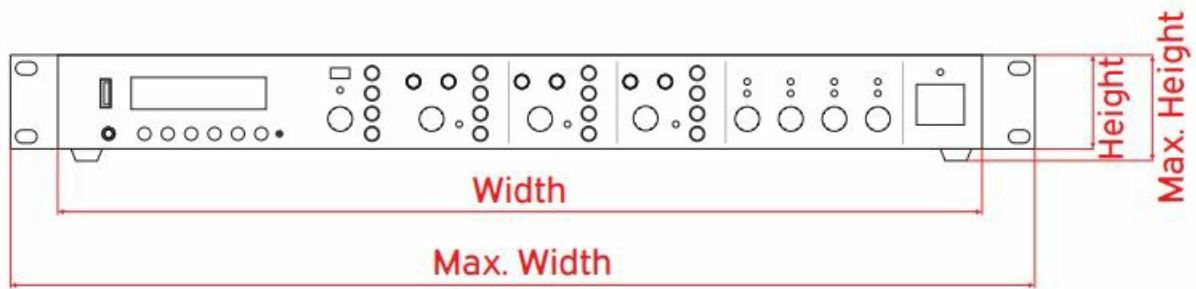
Unit: mm		
W	D	H
435	122	44

Max. W		Max. H
483		54

1. Media Player
2. Input Selector of Media Player or Line In
3. Input Source zone assign buttons
4. Input 1 channel tone control
5. Input 1 zone assign buttons
6. Input 2 channel tone control
7. Input 2 zone assign button
8. Input 3 channel tone control
9. Input 3 zone assign buttons
10. Mute (red) or Call (light green) Led indicator of zone1-zone4
11. Audio signal (green) and Clip (red) Led indicator of zone1- zone4
12. Power indicator (red)
13. Input signal indicator (green)

14. Media playback or Line In level control
15. Input 1 level control
16. Input 1 signal indicator (green)
17. Input 2 level control
18. Input 2 signal indicator (green)
19. Input 3 level control
20. Input 3 signal indicator (green)
21. Zone 1 output level control
22. Zone 2 output level control
23. Zone 3 output level control
24. Zone 4 output level control
25. Power on/off switch

Media Player

- The Media Player section of the matrix. Comprises a BT player, USB player, DAB+ and FM tuner and Aux input. See paragraph "4. Operation" on page 15 for all Media Player functions.

Input Selector of Media Player or Line In

- When this button is pressed it plays audio from any device connected to the RCA (unbalanced) or Euroblock (balanced) Line inputs on the rear panel. When this button is released it plays audio from any chosen Media Player source.

Input Source Zone Assign Button

- When one or multiple of these buttons are pressed, audio from this channel is sent to its chosen zone. Audio from the same source only (media or line) can be sent to multiple zones at the same time.

Input 1 Channel Tone Controls.

- Tone controls provide attenuation of bass and treble response. The flat position is obtained when the knobs are set to middle position. Turn the knob clock wise to raise tone level approximately + ? dB for bass and+ ? dB for treble; turn count-er – clockwise to lower tone level by approximately – ? dB for bass and – ? dB for treble.

Input 1 Zone Assign Buttons

- Zone assign buttons for Mic input 1. Press one or multiple of these buttons to send same audio signal to multiple zones.

Input 2 Channel Tone Controls

- Same as point 4 but for input 2.

Input 2 Zone Assign Buttons

- Zone assign buttons for Mic/Line input 2. Press one or multiple of these buttons to send same audio signal to multiple zones.

Input 3 Channel Tone Controls

- Same as point 4 but for input 3.

Input 3 Zone Assign Buttons

- Same as point 7 but for input 3.

Mute (red) or Call (light green) Led indicator of zone1-zone4

- This LEDs light up in red when a 24V trigger voltage is inserted in the Mute contacts on the rear panel (see point"12. 24V Emergency Mute Contacts" on page 13), or in light green when the HMX-MIC Call Station is activated.

Audio Signal (green) and Clip (red) Led indicator of zone1-zone4

- This LEDs light up in green when they detect an audio signal incoming, and indi-cate on which zone the audio is going out to. They light up in red when the input signal is too high.

Power Indicator (red)

- This LED lights up when the unit is switched on.

Input Signal Indicator (green)

- This LED lights up when it detects an audio signal incoming from Media Player sources or Line inputs on the rear panel.

Media Playback or Line Level Control

- This knob adjusts Media playback or Line volume level.

Input 1 Level Control

- This knob adjusts Mic input 1 volume level.

Input 1 Signal Indicator (green)

- This LED lights up when it detects an audio signal incoming from the Mic input 1.

Input 2 Level Control

- Same as point 15 but for Mic/Line input 2.

Input 2 Signal Indicator (green)

- Same as point 16 but for Mic/Line input 2.

Input 3 Level Control

- Same as point 15 but for Mic/Line input 3.

Input 3 Signal Indicator (green)

- Same as point 16 but for Mic/Line input 3.

Zone 1 Output Level Control

- This knob adjusts the volume level of audio sent to zone 1.

Zone 2 Output Level Control

- Same as point 21 but for zone 2.

Zone 3 Output Level Control

- Same as point 21 but for zone 3.

Zone 4 Output Level Control

- Same as point 21 but for zone 4.

Power On/Off Switch

- Use this switch to turn the matrix on and off.
- **WARNING:** Ensure all volume control knobs are set to minimum when

Rear panel
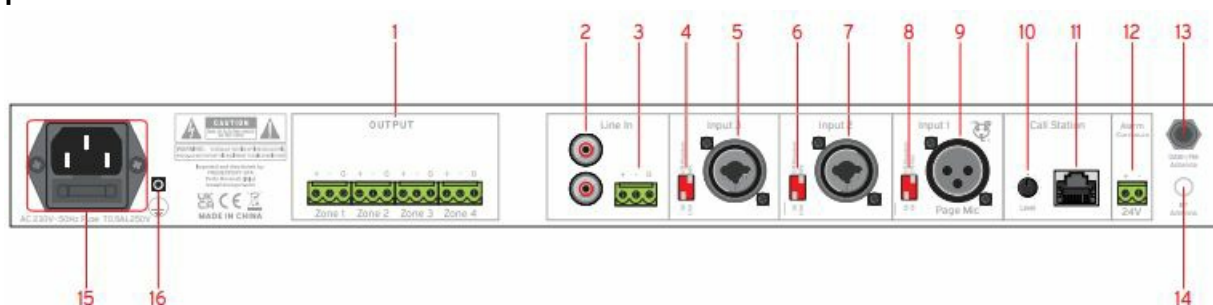
1. Zones 1-4 level outputs (Euroblock)
2. Line In stereo/mono input (2 x RCA)
3. Line In balanced input (Euro block)
4. Input 3 DIP switches (mic/ line + phantom)
5. Input 3 Mic/Line input (XLR/ Jack)
6. Input 2 DIP switches (mic/ line + phantom)
7. Input 2 Mic/Line input (XLR/ Jack)
8. Input 1 DIP switches (VOX + phantom)
9. Input 1 Mic input (XLR)
10. Call station input level control
11. 24V emergency mute con tacts
12. 24V emergency mute contacts
13. FM Antenna connector
14. BT Antenna connector
15. Mains power input & Fuse holder
16. Ground connection point

Zones 1-4 Line Level Outputs (Euroblock)

- Each Zone output has a dedicated Euroblock mono output on the rear panel, which can be connected to the Line inputs of active speakers or amplifiers.

Line In Stereo/Mono Input (2 x RCA)

- A stereo or mono unbalanced Line level source can be connected to the auxiliary channel Line In on 2 RCA connectors (e.g. smartphone or laptop).

Line In Balanced Input (Euroblock)

- In addition, an Euroblock Line input is provided for balanced connections. Please pay attention to the polarity of the wires (+=Hot, -=Cold, G=ground).

Input 3 DIP Switches (Mic/Line + Phantom)

- This Mic/Line input has 2 DIP switches: one to set the input level for the correct type of source (Mic or Line), and the other for phantom power to use with condenser microphones. If the source connected is a condenser microphone which requires phantom power, make sure that the phantom is switched on for this channel.
- **ATTENTION:** Always change these DIP switch settings when the matrix is off. Making any changes when the matrix is powered up may cause loud bangs through the system which can damage your speakers.

Input 3 Mic/Line Input (XLR/Jack)

- This combo is for the use of both XLR and 1/4" Jack balanced/unbalanced Microphone or Line signals. You can connect mixers, DJ consoles, CD players, etc. The input audio signal can be adjusted by using the volume

level knob on front panel.

Input 2 DIP Switches (Mic/Line + Phantom)

- Same as point 4 but for input 2.

Input 2 Mic/Line Input (XLR/Jack)

- Same as point 5 but for input 2.

Input 1 DIP Switches (VOX + Phantom)

- Other than the phantom power switch described in point 4, this input has also a VOX priority switch. This switch attenuates any signal in the zones Mic input 1 is on when signal from Mic input 1 is detected, and returns them to normal when Mic input 1 is silent.

Input 1 Mic input (XLR)

- This input is designed as a Page Mic input and accepts Microphone level sources with XLR balanced plugs.

Call Station Input Level Control

- This knob controls the input volume level of the optional 4-zone Call Station.

Call Station Connector (RJ45)

- This connector is used for the optional addition of a 4-zone Call Station, the HMX-MIC. The HMX-MIC Call Station comprises a base unit and a paging microphone.
- Connect the microphone to the XLR input on the top of the base unit. Use a CAT-5 network cable to connect the matrix and carry power to the Call Station.

24V Emergency Mute Contacts

- For buildings with a main emergency alarm panel (for fire alarms etc.), the XMA-44 has Mute contacts on the rear panel, which will mute all audio except for channel 1 when activated by a 24V trigger voltage. This leaves channel 1 active for evacuation announcements in the case of an emergency. The screw terminal plug can be pulled out to make connection easier. 2-core bell wire is appropriate for this.

FM Antenna Connector

- Connect here the DAB+/FM antenna (included). You can also use this plug to connect external antennas and increase the DAB+/FM reception sensitivity.

BT Antenna Connector

- Connect here the BT external antenna (included) to increase the BT sensitivity.

Mains Power Input & Fuse Holder

- Power connector for mains power, combined with fuse holder. Plug the power cord (included) into an AC socket properly configured for your particular model.
- **Note:** If you happen to lose the AC line-cord, always use a three-pin plug with a ground pin. The wire correspondence is as follows:

Cable	Pin	International
Brown	Live	L
Blue	Neutral	N
Yellow/Green	Earth	

- **ATTENTION:** Always connect the earth! Pay attention to your safety! Before taking into operation for the first time, the installation has to be approved by an expert.
- In case of fuse burn, to prevent the risk of fire and damaging the unit, use only the same type of fuse that is written on the device or check paragraph "5. SPECIFICATIONS" on.

Ground Connection Point

- Connect this terminal to the earthing system for safety reasons and to avoid problems in case of short circuits or malfunctions.

OPERATION

Media Player Functions
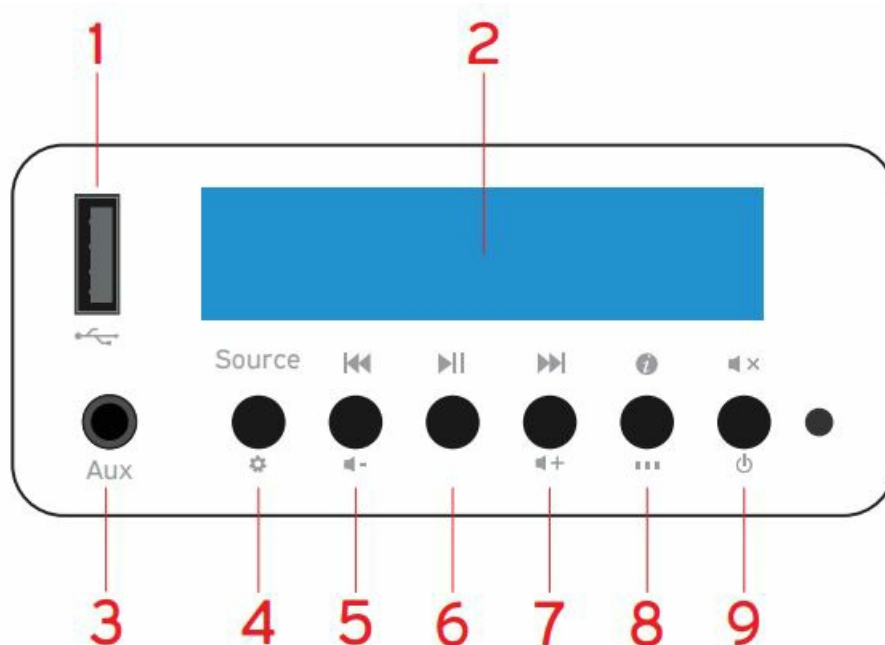
1. USB Drive Input
2. OLED Screen
3. 3.5mm Aux Input
4. Source/System Settings button
5. Skip Backward/Volume Down button
6. Play/Pause button
7. Skip Forward/Volume Up button
8. Info button
9. Mute/Power button

USB Drive Input

- When a USB memory drive is inserted into this USB port press the Source button and choose "USB Player" option on the OLED screen, then press the Play/Pause button " ▶‖ " or wait a couple of seconds and the mode will be selected automatically.
- The audio files will start playing and the track time will show on the screen.
- Volume is controlled by the Media playback or Line In level contro knob (point 14 on section "3.3. Front Panel" on), or by pressing and holding the Skip
- Forward/Volume Up⏭ / ◂+or Skip Backward/Volume Down⏭ / ◂+ buttons on the front panel.
- Press the Info Button repeatedly and the display will show track number related to your playlist, file extension, artist, song and album name, time and date. Press and hold the Info Button to enter Playmode.
- Once in Playmode press the Play/ Pause button and select one of the four functions:
- **Normal** – Normal playback
- **Repeat All** – Repeat all tracks
- **Repeat One** – Repeat one track
- **Random** – Random playback

OLED Screen

- OLED screen displays main information about media player status: music source, track number, track lenght, track title, file extension, playback progress, DAB+ and FM frequency, and system settings.

mm Aux Input

- To play sound from this input connect your external device with a TRS 3.5 mm cable then press the Source button and choose "Aux Input" mode. To select this mode press the Play/Pause button " ", or wait a couple of seconds for automatic selection. Once selected, the OLED screen will show the time. Press the Info Button " ▶ll " and volume level will be shown. Volume is controlled by the Media playback or Line In level contro knob (point 14 on section "3.3. Front Panel" on or by pressing and holding the
- Skip Forward/Volume Up ▶▶l / ◄+or Skip Backward/Volume Down▶▶l / ◄+buttons on the front panel.
- Please notice that Play/Pause ▶ll Skip Forward ▶▶or Skip Backward ▶▶buttons will not work in this mode. Use the controls on your device to play/pause, skip the songs in your playlist.

Source/System Settings button

- Press this button repeatedly to switch between USB Player, DAB+, FM Tuner, BT Player and Aux Input modes. Press and hold to enter System Settings.

System Settings

- Press and hold the Source ⚙ button to enter the System Settings.
- Use the Skip Forward ▶▶land Skip Backward ▶▶lbuttons to navigate the menu, and choose between Time, Backlight, Language, Factory Reset and Software Version options.
- Use the Play/Pause button " " to enter and edit all of these options, or press the Info Button ▶▶lto go back.

Skip Backward/Volume Down – Skip Forward/Volume Up buttons

- Single short press in USB and BT modes will change currently playing track. Pressing and holding buttons for few seconds will increase or decrease volume level of media player (this does not work in BT mode). In DAB+ or FM mode, use these buttons to change frequency in steps, also to switch radio presets

Play/Pause button

- Play and pause function in USB and BT mode. Hold this button in DAB+ or FM mode in order to start radio station auto scan. Press this button or press and hold in order to toggle between DAB+ or FM frequency auto/manual scanning mode. When navigating menu options, press once for selection. This button does not work in Aux mode.

Info Button

- Pressing repeatedly or pressing and holding this button will give you different functions depending on the mode

you are in. Further details are explained in dedicated sections in paragraph "4.1. Media Player Functions" on page 15 . This button also functions as a "go back" button when navigating menus.

Mute/Power button

- Press this button to mute audio. Hold this button longer in order to turn off/on media player.

BT Mode

- BT Mode allows connection of a smartphone or tablet to the media player section for playback of stored files or streamed digital audio. In order to enable this function, it will be necessary to pair the sending device to the receiver as follows.

Pairing

- Press the Source button and enter "BT" mode on your HMX media player by pressing the Play/Pause button ▶️II
- Open the BT settings menu on your mobile device and search for "HMX-44".
- Select "HMX-44" and confirm that it is connected. You should read "Paired" on the OLED display.
    - To unpair your device press and hold the Play/Pause button ▶️II until you read "Unpaired" on the OLED display. To pair again your device Press and hold the Play/Pause button ▶️II until you read "Paired" on the OLED display.
- Press Play/Pause ▶️II to start playback.

Controls

- Volume is controlled by the Media playback or Line In level contro knob (point 14 on section "3.3. Front Panel" on), or from your connected mobile device. Play/Pause function is controlled by the Play/Pause button ▶️II or from your mobile device.
- Use the Skip Forward ▶▶or Skip Backward ▶▶buttons, or your mobile device, to skip the songs in your playlist.

FM Tuner Mode

- The FM Tuner function operates in the same way as a standard FM radio and benefits from the connection of an FM antenna to the rear panel "F" type connector.
- Press the Source button and enter "FM Tuner" mode on your HMX media player by pressing Play/Pause button " ▶️II ". It uses the same buttons as other media Player modes but with slightly different functions.
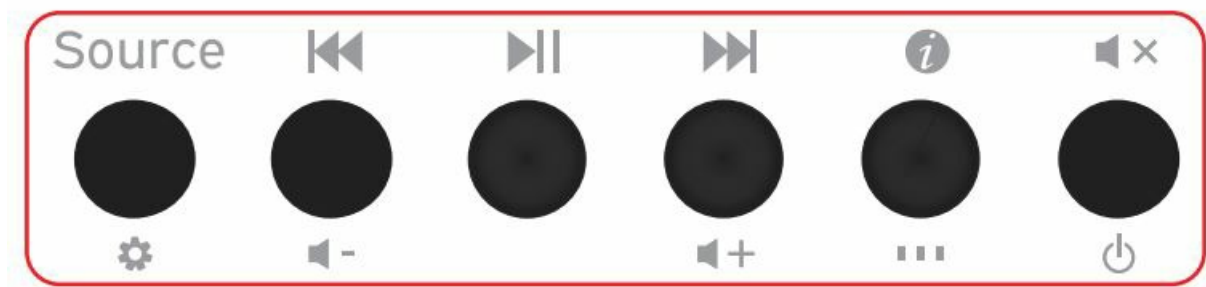
- Volume is controlled by the Media playback or Line In level contro knob (point 14 on section "3.3. Front Panel" on), or by pressing and holding the Skip

- Forward/Volume Up ⏭ / ◀+ or Skip Backward/Volume Down ⏮ / ◀- buttons on the front panel.

- Use the Skip Forward " ⏭ " or Skip Backward " ⏮ " buttons to navigate the menu options and stations.

Auto Scan

- Press and hold Play/Pause button " ⏯ " to start the auto scanning of all available stations. You will see the number of stations increasing on the bottom right of the OLED display as the receiver goes through the whole range of frequencies.

- Once the scan is completed, the receiver will automatically play the first station found. As you go through the stations you will see the station number, frequency or name change accordingly, as well as Radio Text (when available) on the OLED display. At any moment during listening press and hold Play/Pause button " " to start the auto scan again.

- Press repeatedly the Info Button " ⏯ " in order to see information about the station, such as: Radio Text, PTY, Name, Signal (stereo or mono), Time and Date.

Manual Scan

- Press the Play/Pause button " ⏯ " to start scan stations manually.

- Use the Skip Forward " ⏭ " or Skip Backward " ⏮ " buttons to go through the whole range of frequencies and tune in stations.

- Press Play/Pause " " at any point during Auto Scan to stop the scanning and continue find stations manually. If you press Play/Pause " ⏯ " again on a random frequency, you will go back to the first station previously encoded automatically, or If you press Play/Pause " ⏯ " on an encoded station, you will start from there.

Scan Settings

- Press and hold the Info Button " ⏯ ", select "Scan Settings" from the option menu then press Play/Pause Select "Strong stations only" to scan stations with stronger signal only, or "All stations" to scan all available stations. Press Play/Pause " ⏯ " to choose. Press the Info Button to exit the option menu and scan again.

Audio Settings

- Press and hold the Info Button select "Audio Settings" from the option menu then press Play/Pause " ▶II ". Choose between "Stereo Allowed" or "Forced Mono" to decide wheter to allow stereo signals, whenever possible, or switch them into mono.
- **Note:** this setting works for one station at a time only and has to be re-set if the station is changed.

Preset Store

- Select a desired station then press and hold the Info Button when the station is playing. Select "Preset Store" from the option menu then press Play/Pause " ▶II ". Find an empty slot, or overwrite a stored one, and press Play/Pause " ▶II " to save the desired station on that slot.
- FM Radio Receiver allows to save 30 presets with selected radio stations.

Preset Recall

- Press and hold the Info Button select "Preset Recall" from the option menu then press Play/Pause " ▶II ". Navigate through your saved slots and press Play/ Pause " ▶II " to select the preset previously saved and play it.

DAB+ Mode

- Press the Source button and enter DAB+ mode on your HMX media player. Press the Play/Pause button " ▶II ", or wait a couple of seconds for automatic selection.
- Volume is controlled by the Media playback or Line In level contro knob (point 14 on section "3.3. Front Panel" on page 9), or by pressing and holding the Skip Forward/Volume Up ▶▶I / ◀+or Skip Backward/Volume Down I◀◀ / ◀-buttons on the front panel.
- Use the Skip Forward " ▶▶I " or Skip Backward " I◀◀ " buttons to navigate the menu options and stations.

Auto Scan

- Press and hold the Play/Pause button " ▶II " to automatically scan for frequencies that can be received. Once scanned, the first available station starts playing. Station name and Radio Text are shown on the OLED display. As you start browsing, the display shows the number of all available stations and the one you are currently on. Keep browsing until you find the desired station then press Play/Pause " " or wait a few seconds for auto-selection.
- Press repeatedly the Info Button " ▶II " in order to see information about the station, such as: Radio Text, Signal Strength, Radio Category, Current National Network Operator, DAB+ Frequency, Signal Error, Bit Rate, Time and Date.

Manual Tune

- Press and hold the Info Button select "Manual Tune" from the option menu, then press Play/Pause " ▶‖ ". Use Skip Forward "◀◀" or Skip Backward " ▶▶" buttons to browse frequencies in steps, then press Play/Pause "◀◀" on a chosen frequency.
- The display will show the signal strength as the radio will search for stations at this specific frequency. It will start playing automatically if it receives enough signal.

Full Scan

- If you need to rescan for all available stations press and hold the Info Button select "Full Scan" from the option menu then press Play/Pause

Preset Store

- Select a desired station then press and hold the Info Button when the station is playing. Select "Preset Store" from the option menu and press Play/Pause.
- Find an empty slot, or overwrite a stored one, and press Play/Pause to save the desired station on that slot.
- DAB+ receiver allows to save 30 presets with selected radio stations.

Preset Recall

- Press and hold the Info Button select "Preset Recall" from the option menu then press Play/Pause " ▶‖ ". Navigate through your saved slots and press Play/Pause " ▶‖ " to select the preset previously saved and play it. Saved station will show a "P" on the display, followed by the preset number.

Prune

- Press and hold the Info Button select "Prune" from the option menu then press Play/Pause Choose "yes" to remove stations that are no longer transmitting or have moved frequency.

DRC

- Press and hold the Info Button select "DRC" from the option menu then press Play/Pause Select between "Off", "Low" and "High" to choose the level of compression to apply to audio.

Remote Control

Note: CD, SD, Eject and numbers buttons are not used.	1.	Mute button. Press to Mute/Unmute the player. It works on all player modes (FM, DAB+, USB, BT, AUX).
	2.	DAB+ Button. Press to enter DAB+ mode.
	3.	Volume Up Button. Press to increase one step or press and hold to increase volume rapidly.
	4.	Skip Backward/Volume down Button. Press once to go back one song/station. Press and hold to decrease volume rapidly. Skip Backward does not work in AUX mode.

	5.	Play/Pause Button. DAB+, FM Tuner, USB and BT mode: same func- tions as front panel. Does not work in AUX mode.
	6.	Stand-by/Off Button. Press once to send media player in Stand-by mode (time and date will show on display). Press again and the media player will resume from same mode it was on. BT mode: when resuming from Stand-by, the me- dia player has to be paired again from your device. Press and hold to turn media player off.

7.	Preset Button. USB mode: press and toggle be- tween Playmode functions on the top right of the display (Nr=normal playback, RA=repeat all tracks, R1=repeat one, Rd=random play). DAB+/FM Tuner mode: press to open Preset Recall function. Does not work in AUX and BT mode.
8.	USB Button. Press to enter USB mode.
9.	BT Button. Press to enter BT mode.
10.	FM Button. Press to enter FM Tuner mode.
11.	Skip Forward/Volume up Button. Press once to go forward one song/station. Press and hold to increase volume rapidly. Skip Forward does not work in AUX mode.
12.	Volume Down Button. Press to decrease one step or press and hold to decrease volume rapidly.
13.	Stop Button. USB mode: press to stop playback. The screen will show the total number of tracks on your USB drive. BT mode: press to stop playback.

SPECIFICATIONS

HMX 44	
Power Supply	AC 230V, 50Hz(IEC)
Fuse	T0.5AL 250V
Audio Source	USB/AUX/FM/DAB+/BT
Inputs	1 Mic (XLR), 2x Mic/Line (XLR/Jack), 1 Line (RCA/terminal)
Zone Outputs: Line	4 x Euroblock (mono)
Phantom Power	+48V switchable to each XLR
Call Station Input	RJ45 port
Mute	+24V relay contacts
THD	<0.76% @ 1kHz
Input Impedance	1k Ohms (mic/line)
Input Sensitivity	-11dB (Line), -46dB (Mic)
SNR	84dB (Line), 82dB (Mic)
BT Version	2.0
Frequency Response	100Hz – 24kHz
Product Size (WxDxH)	435/483 max x 122 x 44/54 max mm (17.12/19.01 max x 4.80 x 1.73/2.12 in)
Product Weight	1.8 kg (3.97 lbs.)
Package Size (WxDxH)	550 x 227 x 69 mm (21.65 x 8.97 x 2.72 in)
Package Weight	2.74 kg (6.04 lbs.)

Our products are subject to change. Modifications to technical features remain subject to change without notice

TROUBLESHOOTING

Power LED on control panel is off	Ensure IEC lead is in good condition and connected properly
	Ensure POWER switch is on and check mains inlet fuse
Power LED is on but other LEDs are off and no output	Check input signals and condition of input connection leads
	Check that the selected zone output is assigned on the right input channel
	Check Zone, Inputs or BT/FM/DAB+/USB/AUX volume controls are turned up
OLED display on media player is not lit	If main power is on, press and hold the Mute button until the display is lit
No output from media player	Ensure that Mute function is off and volume is not set too low
	Check that Input 1 priority or 24V Mute are not overriding playback
No playback via BT	Ensure that the sending device is paired and connected as audio to "Helvia-5714"
	Check playback status and volume settings of sending device
USB player does not play audio from media player	Press Play/Pause button to check if track is paused
	Press the Source button to ensure that the required device is selected
	Check if memory device is connected properly (remove and re-insert)
	Check file type – standard digital audio files are required (MP3, WMA, WAV, FLAC)
	Check if memory device works on a PC or Mac for standard playback
Output is very loud or distorted	Check if level of input signal is not too high
	Reduce relevant Inputs, Media Player and/or Zone level controls
Output is working but at very low level	Check if input audio source level is not too low
	Increase relevant Inputs, Media Player and/or Zone level controls
	Check for quiet recording of media files on USB/Aux/BT devices

	Check Input 1 priority is not unintentionally suppressing other channels
No microphone output	Check if phantom power is enabled if using condenser microphones
Feedback from microphone	Face microphone away from speakers and monitors
	Turn down relevant Mic/Line and/or Zone level controls

WARRANTY AND SERVICE

- All HELVIA® products are covered by warranty according to European regulations (2 years in the case of purchase by private person – B2C; 1 year in the case of purchase by company – B2B). The warranty is valid from the date of purchase by the end user (private individual or company), indicated in the purchase document (receipt in the case of private person; invoice in the case of company). The following cases / components are not covered by the above warranty:
- All accessories supplied with the product;
- Improper use;
- Failure due to wear and tear;
- Any unauthorized modification of the product by the user or third parties.
- HELVIA must meet the warranty obligations due to any non-compliant materials or manu-facturing defects, by remedying free of charge at HELVIA's discretion by either repairing or replacing specific parts or the entire equipment. Any defective parts removed by a product in the event of a warranty claim become property of HELVIA.
- During the warranty period, defective products can be returned to HELVIA retailer or installer with proof of original purchase (receipt or invoice). To avoid damage during trans-port, please use the original packaging, if available. For more information, visit the website: **www.frenexport.com**.

WARNING

- READ CAREFULLY – only for EU and EEA (Norway, Iceland and Liechtenstein).
- This symbol indicates that the product must not be disposed of with household waste, according to the WEEE directive (2202/96/EC and subsequent amendments) and national legislation.
- The product must be delivered to a designated waste collection center (e.g. on an autho-rized one-for-one basis when you buy a new similar product, or to an authorized collection site for recycling waste electrical and electronic equipment).
- Improper handling of this type of waste can have a negative impact on the environment and human health due to potentially dangerous substances that are generally associated with electrical and electronic equipment. At the same time, your cooperation in the proper disposal of this product will contribute to the effective use of natural resources.
- For more information about where you can drop off your waste equipment for recycling, please contact your local city office, waste authority, approved WEEE scheme or your household waste disposal service.
- **www.helviasystems.com**
- This product is imported in the European Union by FRENEXPORT SPA – Via Enzo Ferrari, 10 – 62017 Porto Recanati – Italy HELVIA® is a registered trademark of FRENEXPORT SPA – Italy

- HELVIA® è un marchio di fabbrica registrato di FRENEXPORT SPA – Italia

Documents / Resources

HELVIA HMX-44 Rackmount 4 In 4 Out Passive Matrix Mixer with Multi Player [pdf] User Manual
HMX-44 Rackmount 4 In 4 Out Passive Matrix Mixer with Multi Player, HMX-44, Rackmount 4 In 4 Out Passive Matrix Mixer with Multi Player, Mixer with Multi Player, Multi Player

References

- ✈ **Music Gear & Pro AVL Technologies since 1976 - Frenexport SpA**
- ⊞ **Welcome - HELVIA - Set up your solutions**