MICHI

Michi Q430

Stereo Compact Disc Player

Lecteur de disques compacts stéréo

Stereo-CD-Player

Reproductor de Discos Compactos

Stereo cd-speler

Lettore CD

CD-spelare

CD-проигрыватель

立体声CD播放机

Owner's Manual

Manuel de l'utilisateur

Bedienungsanleitung

Manual de Instrucciones

Gebruikershandleiding

Manuale di istruzioni

Instruktionsbok

Инструкция пользователя

使用说明书

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

WARNING : SHOCK HAZARD-DO NOT OPEN
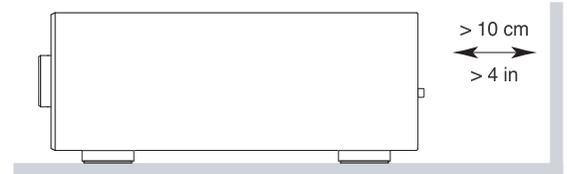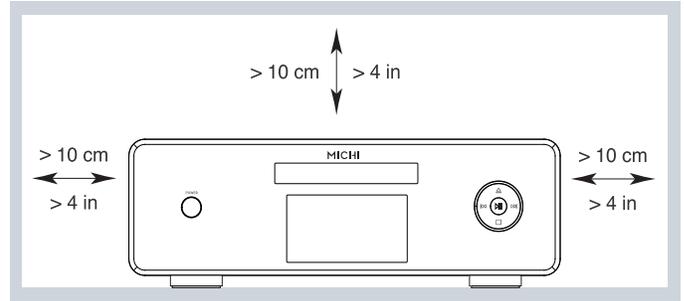## AVIS:RISQUE DE CHOC ÉLECTRIQUE-NE PAS OUVRIR

APPLICABLE FOR USA, CANADA OR WHERE APPROVED FOR THE USAGE

CAUTION: TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT. INSERT FULLY.

ATTENTION: POUR EVITER LES CHOCS ELECTRIQUES, INTRODUIRE LA LAME LA PLUS LARGE DE LA FICHE DANS LA BORNE CORRESPONDANTE DE LA PRISE ET POUSSER JUSQU AU FOND.

This symbol is to alert the user to the presence of uninsulated dangerous voltages inside the product's enclosure that may constitute a risk of electric shock.

This symbol is to alert the user to important operating and maintenance (service) instructions in this manual and literature accompanying the product.

Michi products are designed to comply with international directives on the Restriction of Hazardous Substances (RoHS) in electrical and electronic equipment and the disposal of Waste Electrical and Electronic Equipment (WEEE). The crossed wheelie bin symbol indicates compliance and that the products must be appropriately recycled or processed in accordance with these directives.

Pin Assignments

Balanced Audio (3 pole XLR):
Pin 1: Ground / Screen
Pin 2: In phase / +ve / Hot
Pin 3: Out of phase / -ve / Cold

AC symbol, Alternating current

Direct current

C E

> 10 cm > 4 in

> 10 cm
> 4 in

> 10 cm
> 4 in

> 10 cm
> 4 in

CLASS 1 LASER PRODUCT APPAREIL LASER DE CLASSE 1

IMPORTANT FOR LASER PRODUCTS

1. CLASS 1 LASER PRODUCT

2. DANGER: Visible laser radiation when open and interlock failed or bypassed. Avoid direct exposure to beam.
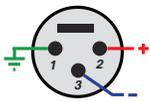
3. CAUTION: Do not open the top cover. There are no user serviceable parts inside the player; leave all servicing to qualified service personnel.

WARNING!

To reduce the risk of electrical shock, fires, etc.:
1. Do not remove screws, covers or cabinet.
2. Do not expose the unit to rain or moisture.
3. Do not touch the power cord or plug with wet hands.

Important Safety Instructions

Notice

The RS232 connection should be handled by authorized persons only.

WARNING: There are no user serviceable parts inside. Refer all servicing to qualified service personnel.

WARNING: To reduce the risk of fire or electric shock, do not expose the unit to moisture or water. Do not expose the unit to dripping or splashing. Do not place objects filled with liquids, such as vases, on the unit. Do not allow foreign objects to get into the enclosure. If the unit is exposed to moisture, or a foreign object gets into the enclosure, immediately disconnect the power cord from the wall. Take the unit to a qualified service person for inspection and necessary repairs.

Read these instructions.

Keep these instructions.

Heed all warnings.

Follow all instructions.

Do not use this apparatus near water.

Clean only with dry cloth.

Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.

Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.

Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.

Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.

Only use attachments/accessories specified by the manufacturer.

Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.

Unplug this apparatus during lightning storms or when unused for long periods of time.

Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

The apparatus should be used in non tropical climate.

The ventilation should not be impeded by covering the ventilation openings with items, such as newspapers, table-cloths, curtains, etc.

No naked flame sources, such as lighted candles, should be placed on the apparatus.

Touching uninsulated terminals or wiring may result in an unpleasant sensation.

You must allow a minimum 10 cm or 4 inches of unobstructed clearance around the unit.

WARNING: The rear panel power cord connector is the mains power disconnect device. The device must be located in an open area that allows access to the cord connector.

The unit must be connected to a power supply only of the type and voltage specified on the rear panel. (USA: 120 V/60Hz, EC: 230V/50Hz)

Connect the component to the power outlet only with the supplied power supply cable or an exact equivalent. Do not modify the supplied cable. Do not use extension cords.

The mains plug is the disconnect of the unit. In order to completely disconnect the unit from the supply mains, remove the main plug from the unit and the AC power outlet. This is the only way to completely remove mains power from the unit.

The batteries in the remote control should not be exposed to excessive temperature such as sunshine, fire or other heat sources. Batteries should be recycled or disposed as per state and local guidelines.

This product shall be connected to a MAINS socket outlet with a protective earthing connection.

The MAINS plug or an appliance coupler is used as the disconnect device, the socket-outlet shall be installed near the equipment and shall be easily accessible.

FCC Information

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 instruction, 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:

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

Caution

This device complies with part 15 of the FCC Rules. Operation is subject to the following to conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE: 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 interference in a residential installation. This equipment generates and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause interference to radio or TV communications. There is no guarantee that interference will not occur in a particular installation. If this equipment does cause interference to radio or television reception, which can be determined by turning the equipment off and on, try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the unit and the television tuner.
- Connect the unit to an AC power outlet on a different electrical circuit.
- Consult your authorized Rotel retailer for assistance.

Figure 1-1:   Controls and Connections
Commandes et branchements
Bedienelemente und Anschlüsse
Controles y Conexiones
Bedieningselementen en aansluitingen
Controlli e collegamenti
Kontroller och anslutningar
Органы управления и разъемы
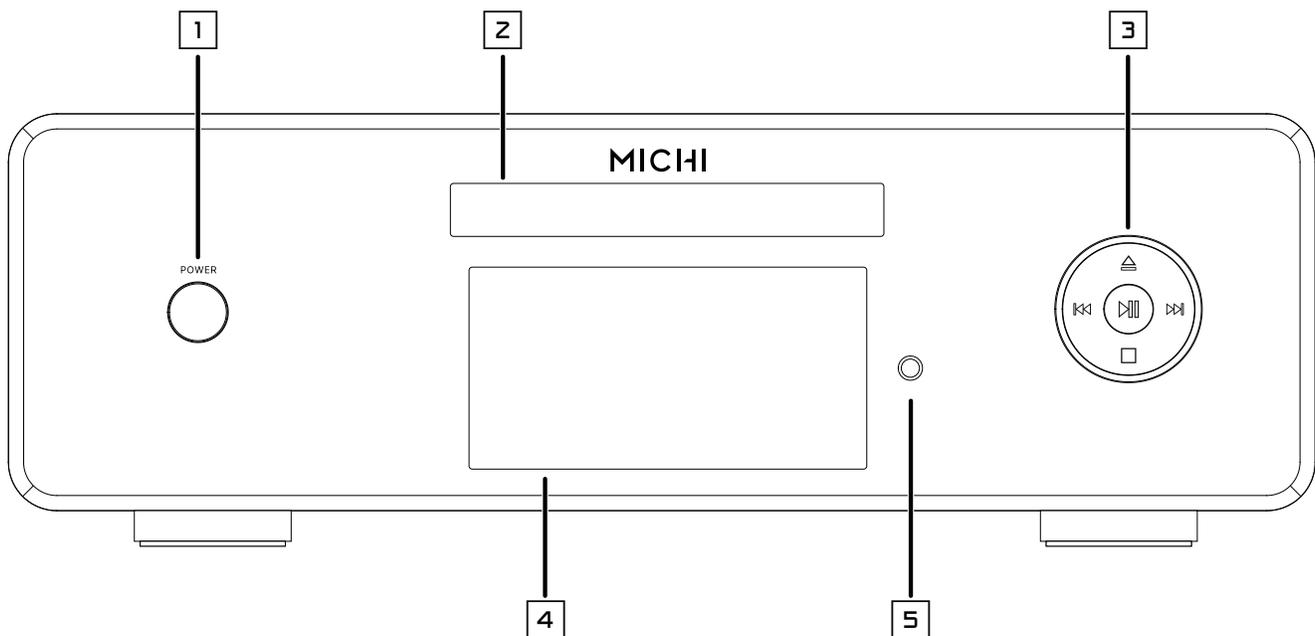
1 POWER Button and Indicator
Activate the unit or put it into standby mode.

2 Disc Loader

3 Transport Control Buttons:
⏏ Eject button / ⏯ Play & Pause button / ■ Stop Button /
⏮ / ⏭ Track Buttons

Navigation Buttons :
Access the various menus and operate the unit settings.

4 Display

5 Remote sensor
Receives IR commands from the remote control.

Figure 1-2:   Controls and Connections
Commandes et branchements
Bedienelemente und Anschlüsse
Controles y Conexiones
Bedieningselementen en aansluitingen
Controlli e collegamenti
Kontroller och anslutningar
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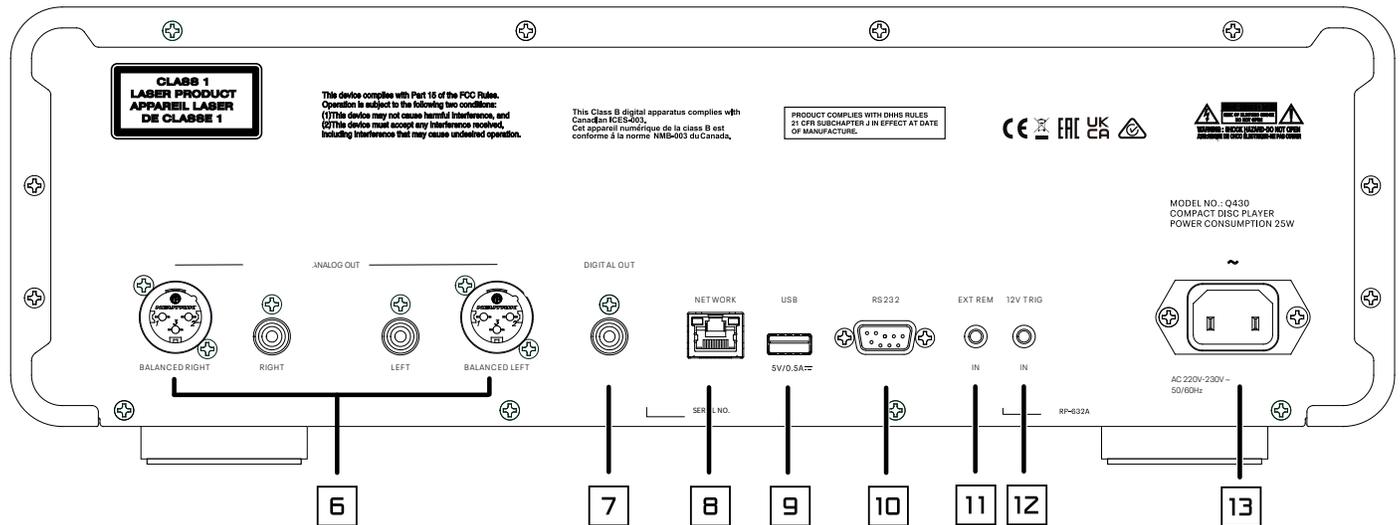
6 Analog Outputs
A pair of standard RCA jacks and XLR balanced connectors supply an analog output signal.

7 Digital Output
Connect to the digital input of an outboard D/A converter.

8 Network Port

9 USB Power Port
Use for software update.

10 RS232
Use for integration with automation systems.

11 EXT REM Input Jack
Receive command codes from industry-standard infrared receivers via hard-wired connections

12 12V Trigger Connection
Receive a 12V trigger signal.

13 AC Power Input

Figure 2 : Remote Control RR-MH32
        Télécommande infrarouge RR-MH32
        Fernbedienung RR-MH32
        Mando a Distancia RR-MH32

Afstandsbediening RR-MH32
Telecomando RR-MH32
**Fjärrkontroll RR-MH32**
Пульт ДУ RR-MH32

(A) Power Button
Activate the unit or put it into standby mode.

(B) ◁◁ / ▷▷ Track Buttons
Select tracks on the disc, and used as navigation buttons in the unit setup menu.

∧ / ∨   Navigation Buttons
Access the various menus and operate the unit settings.

(C) Mute button
Mute the audio of a Michi Integrated amplifier or preamplifier.

(D) Volume Buttons
Adjust the volume output level of a Michi integrated amplifier or preamplifier.
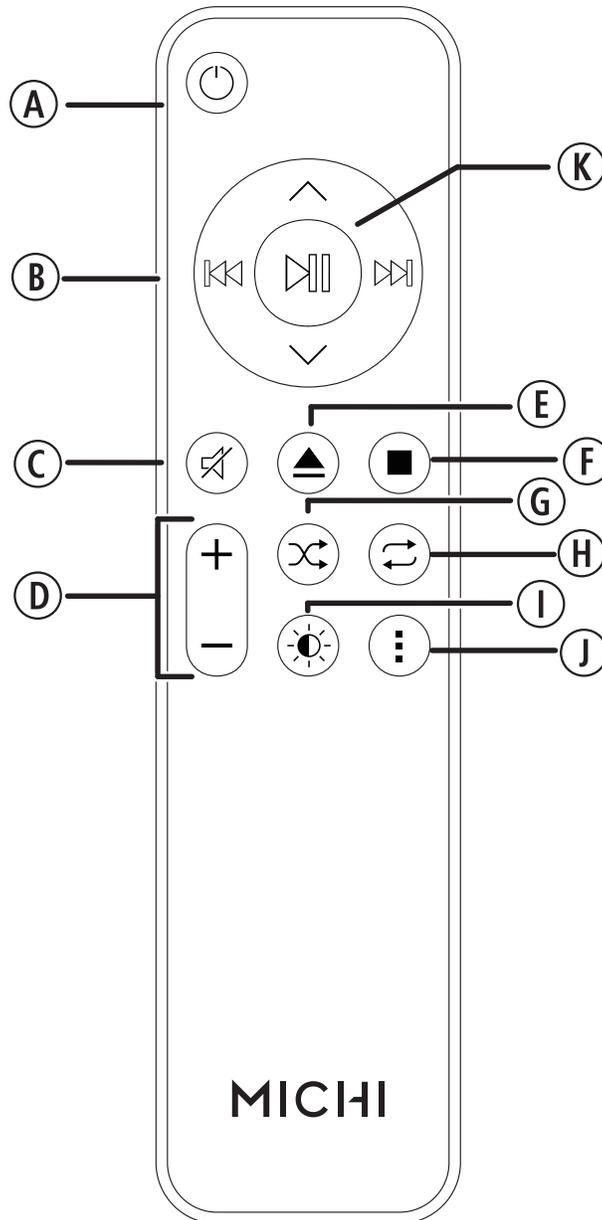
(K) Play / Pause Button
Play / Pause Playback.

ENTER Button
Confirm the unit setting.

(E) Eject Button
Open or close the tray loading mechanism.

(F) Stop Button
Stop the disc playback.

(G) Random Button
Play tracks in random order.

(H) Repeat Button
Repeat the entire disc.

(I) Dim Button
Dim the front display.

(J) Setup Button
Activate the setup menu.

Figure 3 : **Analog RCA Outputs Connection**
Connexion Sorties analogiques RCA
Analoge RCA Ausgänge Anschluss
Conexión de Salidas Analógicas RCA
Analoge RCA uitgangen aansluiting
Connessione di uscite audio analogiche RCA
Analoga RCA utgångar anslutning
Аналогового RCA выхода соединения
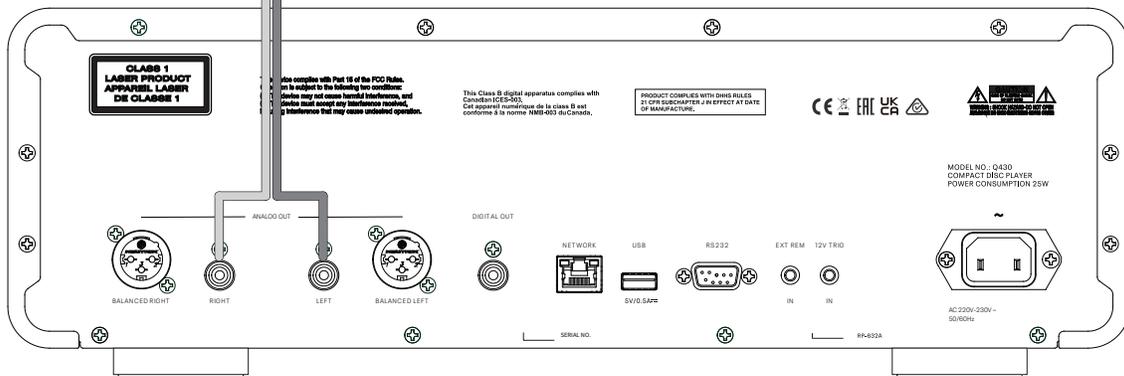

Michi X430
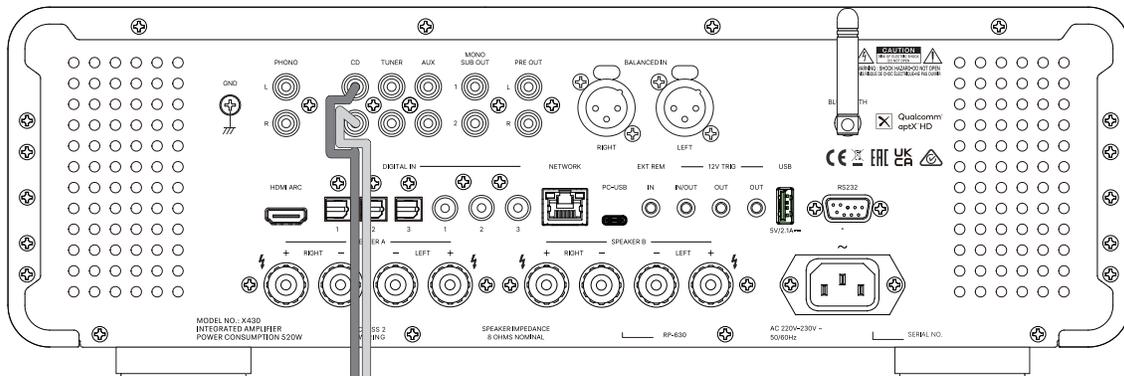
Michi Q430

Figure 4 : Digital Output Connection and 12 Volt Trigger Connections
Connexion Sortie numérique et Branchements des trigger 12 V
Digitalausgang Anschluss (Digitaleingänge, 12V-Trigger)
Conexión de Salida Digitale y Conexiones para Señal de Disparo de 12 Voltios
Digitale uitgangsaansluiting en 12V-trigger
Connessione di uscita digitale e segnali Trigger 12 V
Digitala utgångsanslutningen och 12-volts styrsignaler
Подключение цифровые выходы и 12-В триггерного сигнала

Michi X430
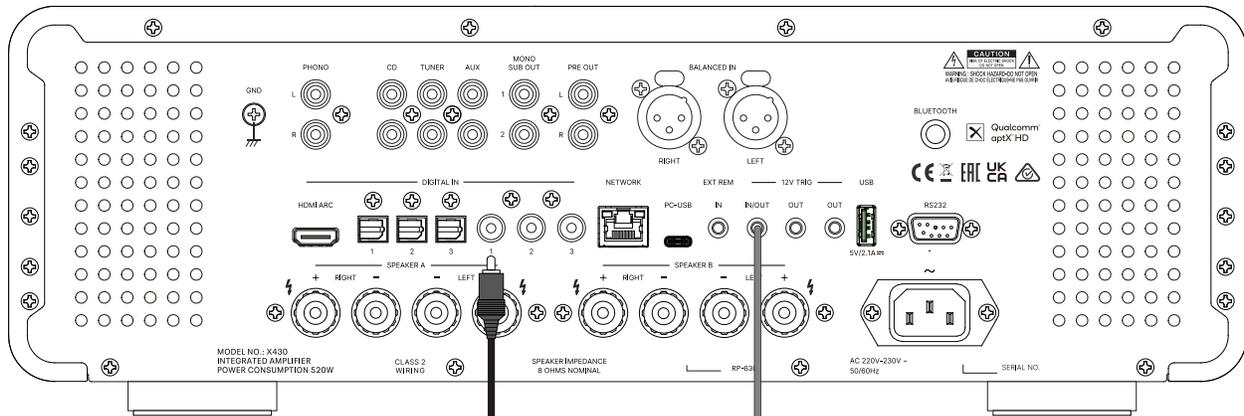
Michi Q430

Figure 5 : Balanced Outputs Connection
Connexion Sorties symétriques
Symmetrische Ausgänge Anschluss
Conexión de Salidas Balanceadas
Gebalanceerde uitgangen aansluiting
Connessione di uscite audio bilanciate
Balanserade utgångar anslutning
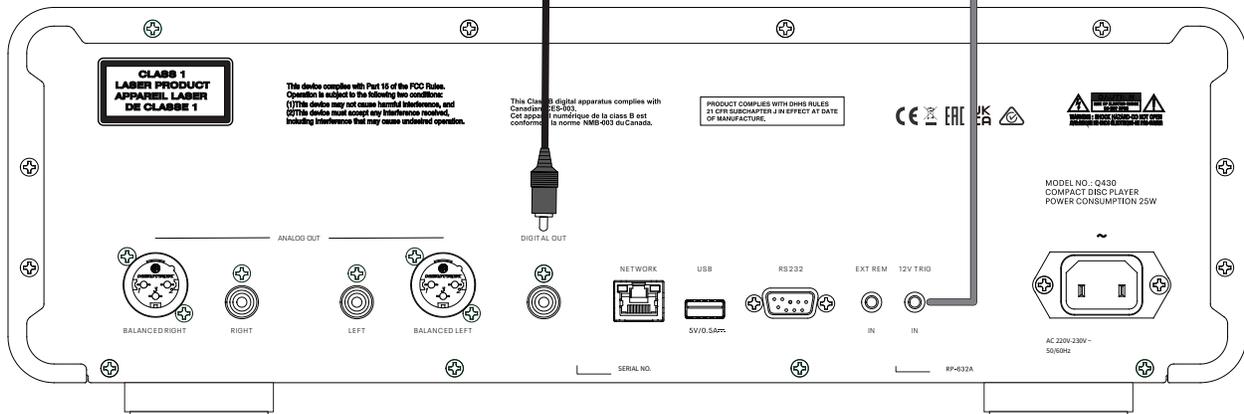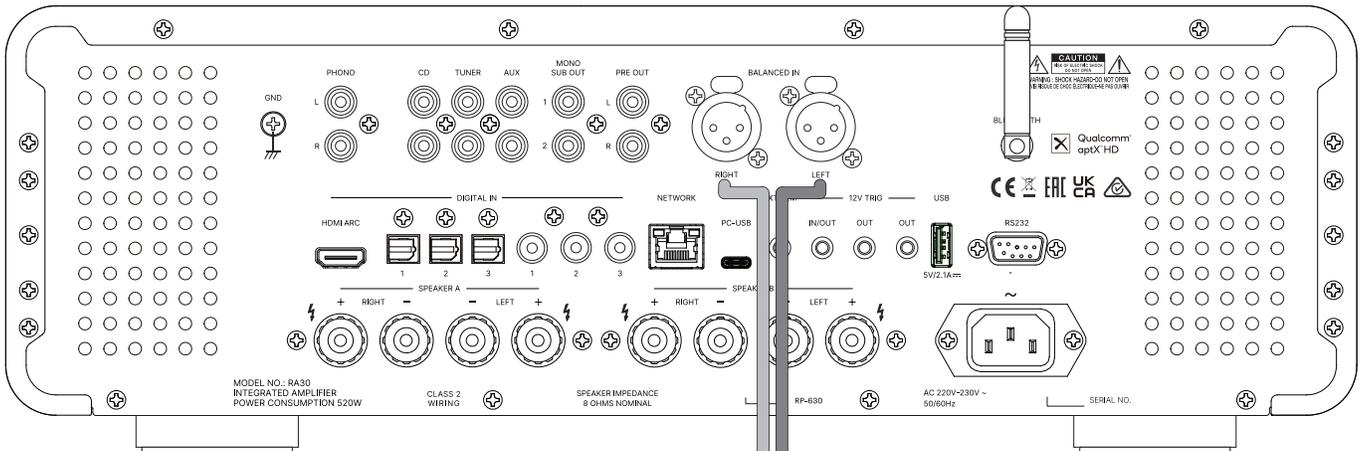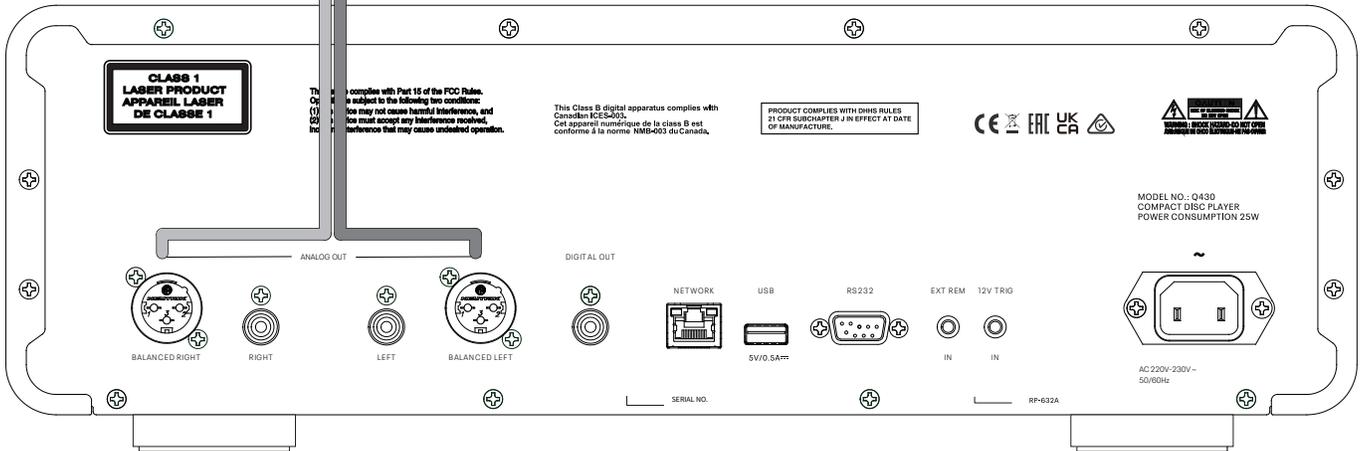**Симметричные выходы подключения**

Michi X430

PHONO   CD   TUNER   AUX   MONO SUB OUT   PRE OUT   BALANCED IN
GND   L   R   L   R   1   2   L   R   RIGHT   LEFT
BLUETOOTH
Qualcomm aptX HD

CE EAC UK CA

DIGITAL IN   NETWORK   12V TRIG   USB   RS232
HDMI ARC   1   2   3   1   2   3   PC-USB   IN/OUT   OUT   OUT
5V/2.1A

SPEAKER A   + RIGHT −   − LEFT +   SPEAKER B   + RIGHT −   − LEFT +

MODEL NO.: RA30
INTEGRATED AMPLIFIER
POWER CONSUMPTION 520W
CLASS 2 WIRING
SPEAKER IMPEDANCE 8 OHMS NOMINAL
RP-630
AC 220V-230V ~ 50/60Hz
SERIAL NO.

Michi Q430

CLASS 1 LASER PRODUCT
APPAREIL LASER DE CLASSE 1

This Class B digital apparatus complies with Canadian ICES-003.
Cet appareil numérique de la class B est conforme à la norme NMB-003 du Canada.

PRODUCT COMPLIES WITH DHHS RULES 21 CFR SUBCHAPTER J IN EFFECT AT DATE OF MANUFACTURE.

CE EAC UK CA

MODEL NO.: Q430
COMPACT DISC PLAYER
POWER CONSUMPTION 25W

ANALOG OUT   DIGITAL OUT   NETWORK   USB   RS232   EXT REM   12V TRIG
BALANCED RIGHT   RIGHT   LEFT   BALANCED LEFT   5V/0.5A   IN   IN
SERIAL NO.   RP-632A   AC 220V-230V ~ 50/60Hz

Important Notes
When making connections be sure to:
✔ Turn off **all** the components in the system **before** hooking up **any** components, including loudspeakers.
✔ Turn off **all** components in the system **before** changing **any** of the connections to the system.
It is also recommended that you:
✔ Turn the volume control all the way down **before** the unit is turned **on or off.**

Remarques importantes
Pendant les branchements, assurez-vous que :
✔ **Tous** les maillons sont éteints **avant** leur branchement, **quels qu'ils soient**, y compris les enceintes acoustiques.
✔ Éteignez **tous** les maillons **avant** de modifier **quoi que ce soit** au niveau de leurs branchements, quels qu'ils soient.
Il est également recommandé de :
✔ Toujours baissez le niveau sonore via le contrôle de volume, **avant d'allumer ou d'éteindre** l'unité.

Wichtige Hinweise
Achten Sie beim Herstellen der Verbindungen auf Folgendes:
✔ Schalten Sie **alle** Komponenten im System ab, **bevor** Sie Geräte (einschließlich Lautsprecher) anschließen.
✔ Schalten Sie **alle** Komponenten im System ab, **bevor** Sie Anschlüsse im System verändern.
Ferner empfehlen wir, dass
✔ Sie die Lautstärke herunterdrehen, **bevor** Sie den Einheit **ein-** oder **ab**schalten.

Notas Importantes
Cuando realice las conexiones, asegúrese de que:
✔ Desactiva **todos** los componentes del equipo, cajas acústicas incluidas, **antes** de conectar **cualquier nuevo componente** en el mismo.
✔ Desactiva **todos** los componentes del equipo **antes** de cambiar **cualquier conexión del mismo.**
También le recomendamos que:
✔ Reduzca el nivel de volumen de su unidad a cero **antes** de **activarlo o desactivarlo.**

Héél belangrijk
Bij het maken van de verbindingen:
✔ Zorg dat niet alleen de Q430, maar de **gehele** installatie uitstaat, als nog niet **alle** verbindingen gemaakt zijn.
✔ Zorg dat niet alleen de Q430, maar de **gehele** installatie ook uitstaat, **als** u verbindingen gaat **wijzigen.**
Wij raden u ook aan om
✔ de volumeregelaar van de (voor)eenheid geheel dicht te draaien (volkomen linksom) **wanneer** u uw eenheid **aan- of uitzet.**

Note importanti
Quando effettuate i collegamenti assicuratevi di:
✔ Spegnere **tutti** i componenti del sistema **prima** di collegare **qualsiasi** componente, inclusi i diffusori.
✔ Spegnere **tutti** i componenti del sistema **prima** di modificare **qualsiasi** connessione nel sistema.
Vi raccomandiamo inoltre di:
✔ Portare il volume a zero **prima** di **accendere o spegnere** l'unità.

Viktigt
Tänk på följande när du gör anslutningar:
✔ Stäng av **alla** apparater i anläggningen **innan** du ansluter nya komponenter eller högtalare.
✔ Stäng av **alla** apparater i anläggningen **innan** du ändrar någon anslutning.
Du rekommenderas också:
✔ Vrida ner volymen på enhet helt och hållet **innan** förstärkaren slås **på eller av.**

Важные замечания
Перед подсоединением:
✔ Выключите **все** компоненты, включая колонки.
✔ Выключите **все** компоненты в вашей системе, прежде чем что-то в ней **менять**.
Рекомендуется также:
✔ Вывести громкость единица на **минимум**, перед тем как **включать или выключать** его.

Contents

Getting Started

Thank you for purchasing the Michi Q430 Compact Disc Player. When used in a high-quality music audio system, your Michi product will provide years of musical enjoyment.

The Q430 is a full featured, high performance component. All aspects of the design have been optimized to retain the full dynamic range and subtle nuances of your music. The Q430 has a highly regulated power supply incorporating a Michi custom-designed toroidal power transformer and custom-made slit foil capacitors. This low impedance power supply has ample power reserves, which enables the Q430 to easily reproduce the most demanding audio signals. This type of design is more expensive to manufacture, but it is better for the music.

The printed circuit boards (PCB) are designed with Symmetrical Circuit Traces. This insures that the precise timing of the music is maintained and faithfully recreated. The unit circuitry uses metal film resistors and polystyrene or polypropylene capacitors in important signal paths. All aspects of this design have been examined to ensure the most faithful music reproduction.

The main functions of the unit are easy to install and use. If you have experience with other stereo systems, you should find the installation straightforward. Simply plug in the associated components and enjoy.

A Few Precautions

***WARNING:** To avoid potential damage to your system, turn off ALL the components in the system when connecting or disconnecting the loudspeakers or any associated components. Do not turn the system components back on until you are sure all the connections are correct and secure. Pay particular attention to the speaker wires. There must be no loose strands that could contact the other speaker wires, or the chassis of the unit.*

Please read this manual carefully. It provides information on how to incorporate the unit into your system as well as information that will help you get optimum sound performance. Please contact your authorized Michi dealer for answers to any questions you might have. In addition, all of us at Michi welcome your questions and comments.

Save the shipping carton and all enclosed packing material for future use. Shipping or moving the unit in anything other than the original packing material may result in severe damage to your unit.

If included in the box please complete the owner's registration card or register online at www.rotel.com/register. Also be sure to keep the original sales receipt. It is your best record of the date of purchase, which you will need in the event warranty service is ever required.

Placement

Like all audio components that handle low-level signals, the unit can be affected by its environment. Avoid placing the unit on top of other components. Also avoid routing audio signal cables near power cords. This will minimize the chance it will pick up hum or interference.

The unit generates heat as part of its normal operation. There should be 10 cm (4 inches) of clearance around the chassis, and reasonable airflow through the installation location, to prevent the unit from overheating.

Remember the weight of the unit when you select an installation location. Make sure that the shelf or cabinet can support it. We recommend installing

the unit in furniture designed to house audio components. Such furniture is designed to reduce or suppress vibration which can adversely affect sound quality. Ask your authorized Michi dealer for advice about component furniture and proper installation of audio components.

The unit is supplied with an remote control and must be placed where the infrared signal from the remote can reach the front panel Remote Sensor.

Cables

Be sure to keep the power cords, digital signal cables and analog audio signal cables in your installation away from each other. This will minimize the chance of the analog audio signal cables picking up noise or interference from the power cords or digital cables. Using only high quality, shielded cables will also help to prevent noise or interference from degrading the sound quality of your system. If you have any questions see your authorized Michi dealer for advice about the best cable to use with your system.

Remote Control RR-MH32

Some functions can be done with either the front panel controls, or the supplied remote control. When these operations are described, the square call out numbers refer to the main unit, while the encircled letters refer to the remote control.
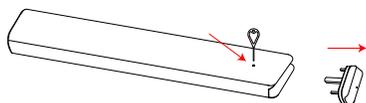
Remote Control Batteries

Two AAA size batteries must be installed before the remote control can be used. To install the batteries, follow the steps as below:

1. Locate the battery compartment opener tool.

2. Push the supplied tool into the hole on the back of the remote then the battery cover will pop out.

3. Install the batteries as shown in the illustration in the battery compartment (Figure 2). Please note there are negative and positive marks shown on the battery cover (Figure 1). Check carefully to ensure the polarity of the batteries match the markings on the cover.
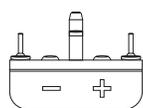

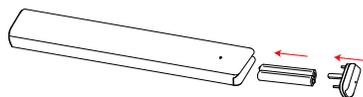Figure 1   Figure 2

When the batteries become weak the remote control won't operate the device consistently. Installing fresh batteries should eliminate the problem.

NOTE: Use only the tool supplied with the unit to remove the battery cover to avoid damage to the cover.

AC Power and Control

AC Power Input 13

Your unit is configured at the factory for the proper AC line voltage in the country where y ou purchased it (either 120 volts AC or 230 volts AC with a line frequency of either 50 Hz or 60 Hz). The AC line configuration is noted on a decal on the back panel.

NOTE: Should you move your unit to another country, it is possible to reconfigure your unit for use on a different line voltage. Do not attempt to perform this conversion yourself. Opening the enclosure of the unit exposes you to dangerous voltages. Consult a qualified service person or the Michi factory service department for information.

NOTE: Some products are intended for sale in more than one country and as such are supplied with more than one AC cord. Please only use the one appropriate for your country/region.

Because of its relatively high power rating, the unit can draw considerable current. Therefore, it should be plugged directly into a polarized wall outlet using the supplied cable or other high current compatible cable as recommended by your authorized Michi dealer. Do not use an extension cord. A heavy duty multi-tap power outlet strip may be used if it (and the wall outlet) is rated to handle the current demanded by the unit and all the other components connected to it.

If you are going to be away from home for an extended period of time such as a month-long vacation, it is a sensible precaution to unplug your unit (as well as other audio and video components) while you are away.

POWER Switch and Power Indicator 1 Ⓐ

Press the front panel Power Switch button 1 to turn the unit on. The Power ring is brightly illuminated when the unit is on. Press the Power Switch button again to turn the unit off.

When the power switch is in the ON position, the remote control ON and OFF buttons Ⓐ may be used to activate the unit. In Standby mode the indicator light is dimly illuminated, and the display is turned off.

NOTE: If you are using a switched outlet to turn on and off your unit, you should leave the power switch in the "ON" position. When AC power is applied to the unit, it will power up in fully active mode.

12V TRIGGER Connection 12

See Figure 4

The unit can be activated by a 12 volt trigger signal. The trigger input accepts any control signal (AC or DC) ranging from 3 volts to 30 volts. When a cable is connected to the 12V Trigger input and a trigger signal is present, the unit is activated. When the trigger signal is turned off, the unit goes into standby mode. The front panel power indicator will remain illuminated, but the display goes dark and the unit will not operate.

NOTE: When using the 12V Trigger feature, leave the POWER button in the ON position.

Output Connections

The built in D/A converter provides digital to analog conversion allowing connection using either XLR Balanced or RCA analog output connectors.

NOTE: To prevent loud noises that could damage your speakers, turn off all the system components when you make any signal connections.

Analog Outputs 6
See Figure 3
A pair of standard RCA jacks and XLR balanced connectors supplies an analog output signal from the unit to the source inputs of an audio preamplifier, integrated amplifier, or receiver. You should choose only one method of analog connection from the unit. Do not connect both the RCA and XLR at the same time.

Select high quality audio interconnect cables. Connect the left and right channel outputs of the unit to the corresponding inputs on the preamplifier or other component.

Digital Output 7
See Figure 4
If you are using an outboard D/A converter or other digital processor, you will need an unprocessed digital data stream from the unit. Using a standard 75 ohm coax digital cable, connect the unit coax digital output to the digital input connector on the outboard D/A converter.

Network Connection 8

The unit can be attached to a network using the rear panel NETWORK socket 8 . The NETWORK configurations allow both STATIC and DHCP IP addressing. See the Network section of this manual under Setting Menu for IP address configuration information.

The NETWORK connection allows software updates to be downloaded from the Internet. The NETWORK connection also allows IP control for integration with automation systems.

For additional information on the IP control please contact your authorized Michi dealer.

Rear USB Power Port 9

The rear USB port is only used for software update.

NOTE: This port does not allow playback of audio, and will not provide charging or powering USB devices.

EXT REM IN Jack 11

This 3.5mm mini-jack receives command codes from industry-standard infrared receivers via hard-wired connections. This feature could prove useful when the unit is installed in a cabinet and the front-panel sensor is blocked. Consult your authorized Michi dealer for information on these external repeaters and the proper wiring of a jack to fit the mini-jack receptacle.

RS232 10

The unit can be controlled via RS232 for integration with automation systems. The RS232 input accepts a standard straight DB-9 Male-to-Female cable.

For additional information on the connections, software, and operating codes for RS232 control of the unit, contact your authorized Michi dealer.

Front Panel Overview

The following is a brief overview of the controls and features on the front panel of the unit.

Display 4
The front panel display shows the status of the unit, activation of special features, album artwork, and track/time information for the disc being played. The display can be dimmed using the setup menu or the IR remote controller. See the Display Configuration section of this manual for details.

The large screen displays different content after disc loading based on the following scenarios:

If no disc is loaded when the tray is closed, the display reads "No Disc". When a disc is loaded, the display shows the total number of tracks and the total duration in hours, minutes and seconds.

Additional display rules are as follows:

1.Device connected to internet + Disc with online info: The display may show

- Album Name + Artist + Total Tracks + Total Duration

- Album Name + Artist + Total Tracks + Total Duration + Album Cover

2.Device not connected to internet + Disc with built-in info: The display shows

- Album Name + Artist + Total Tracks + Total Duration

3.Disc with neither built-in nor online info: The display shows

- Unknown Artist + Total Tracks + Total Duration

Disc loader 2
A motor-driven disc loading tray located in the center of the unit, accepts a compact disc. Press the button ⏏ on the remote control or on the front panel then place the disc into the tray, label-side up. Make sure the disc is properly centered before loading. The disc can be ejected by pressing the button again. If no any operation to the disc tray in 60 seconds when it was ejected, the disc tray will close up automatically.

Remote Sensor 5
This remote sensor window receives IR commands from the remote control. Please do not block this sensor.

Multi-function Button ③

The front panel features a multi-function circular control button that combines all primary playback and setup operations into a single, intuitive interface.

▷⫶⫶ Play / Pause button

Press to start playback. Press again to pause playback.

The ▷⫶⫶ button can be used as the Enter button to accept a setting value during setup.

■ Stop button

Press to stop playback.

Press and hold the Stop button to enter the Setup Menu.

⫶◁◁ Previous Track button

Press to skip to the previous track.

▷▷⫶ Next Track button

Press to skip to the next track.

The Track buttons can also be used as navigation arrow controls in the setup menu.

▲ Eject button

Press to open or close the disc tray.

Press and hold the ▲ button to enter the Language Setting Selection Menu directly.

This multi-function design minimizes front panel controls while providing full access to playback and system configuration features.

Setup Menu

The unit features an information display to help operate the system. A more comprehensive ON-SCREEN DISPLAY (OSD) menu system is available at any time by pressing the setup button on the remote control. These OSD menus guide you through the configuration and setup of the unit. The settings configured during the setup process are permanently saved as the default settings and do not need to be adjusted again for normal operation of the unit.

Overview of Buttons and Controls

This section provides a basic overview of the buttons and controls on the remote control. Detailed instructions on the use of these buttons are provided in the more complete operating instructions in the following sections.

Power Button ⏻ Ⓐ**:** The Power button on the remote control activate or deactivate the unit.

Power On - To power on the unit push and release the Power button Ⓐ on the IR remote control.

Power Off/Standby - To power off the unit into standby mode **PUSH-HOLD** the remote control Power button Ⓐ for 2 seconds.

Play/Pause(Enter) Ⓚ **Button:** After the disc is loaded, press the ▷⫶⫶ button Ⓚ on the remote control to start playing the disc. The number of the track being played and the elapsed time will be shown in the display, along with the PLAY indicator. Normally, the disc will start playing with the first track. However, you can select a different track using the Track buttons (see below) before pressing the button ▷⫶⫶ Ⓚ on the remote control to start playing a different selection.

To temporarily suspend play, press the button ▷⫶⫶ Ⓚ on the remote control again. The PAUSE indicator ⫶⫶ will show on in the display. To resume playing the disc, press the ▷⫶⫶ Ⓚ on the remote control again. The disc continues to spin and play will be resumed from the current position.

The button ▷⫶⫶ Ⓚ is also used during setup as an "Enter" button to accept a setting value.

Track Buttons ⫶◁◁ / ▷▷⫶ Ⓑ**:** These buttons are used to select tracks on the disc. When a disc is playing, pressing the TRACK button ▷▷⫶ advances to the beginning of the next track. Pressing the TRACK button ⫶◁◁ returns to the beginning of the previous track. The new track number appears in the display.

These buttons are also used to select a track before pressing the button ▷⫶⫶ Ⓚ on the remote control. These selections are made by continuously pressing the TRACK buttons until the desired track is reached.

The track buttons are also used as navigation buttons during setup to move through the various menus and value options.

Navigating Buttons ⌃ / ⌄ **:** Use the navigation ⌃ / ⌄ buttons on the remote control to access the various menus and operate the unit settings.

Mute Button 🔇 Ⓒ**:** Push the button once to mute the audio on an attached Michi Preamplifier or Integrated Amplifier. There is no action on the unit when using the MUTE button. Press the button again to restore the previous volume level.

VOL +/- Buttons Ⓓ**:** The VOLUME +/- buttons on the remote adjust the master VOLUME on an attached Michi Preamplifier or Integrated Amplifier. There is no action on the unit when using the volume control buttons.

Eject Button ▲ Ⓔ**:** To open the tray loading mechanism press the Eject button . The tray will open allowing the CD to be loaded label side up. To close the tray press the Eject button again.

Stop Button ■ Ⓕ**:** If the STOP button ■ is pressed, disc play stops, the display shows STOP indicator. When the ▷⫶⫶ button Ⓚ on the remote control is pressed, the disc begins playing from the first track.

Random Button 🔀 Ⓖ**:** This instructs the unit to play tracks from the entire disc in a random order. Once all of the selections have been played once, the disc will stop playing. When enabled the RANDOM indicator 🔀 will be displayed on the front panel.

Repeat Button 🔁 Ⓗ **:** The unit will repeat the entire disc continuously until the feature is cancelled. When enabled the Repeat indicator 🔁 will be displayed on the front panel.

Dim button 🔆 Ⓘ**:** Dims the front display. Press and release the DIM button to cycle the display to the preset brightness level. Press and hold the DIM button to reduce the display brightness to the lowest level for minimal distraction during listening.

Note: The DIM level change from the remote control is only temporary until powered off. To permanently change the brightness use the BRIGHTNESS setting under the DISPLAY option in the setup menu.

Setup button ⋮ Ⓙ**:** The Setup button activates the OSD setup screen on the front display. Push the setup button again to move to the previous setup menu as a "back" key or exit setup menu if on the first level of setup menu.

Main Menu

SETUP

DISPLAY
NETWORK
SYSTEM
ABOUT
EXIT

The SETUP menu provides access to OSD screens for various configuration options. The Setup menu is reached by pressing the Setup Ⓙ button on the remote. To select the desired menu, move the highlight using the ∧ / ∨ / ◁◁ / ▷▷ Ⓑ buttons and press the ▷❙❙ Ⓚ button on the remote control. Press the Setup Ⓙ button to return to the previous menu or select "EXIT" on the OSD to end setup and return to normal operation.

Display Configuration

SETUP

DISPLAY **Display Brightness** **High**
          LED Brightness   Medium
          Back   Low
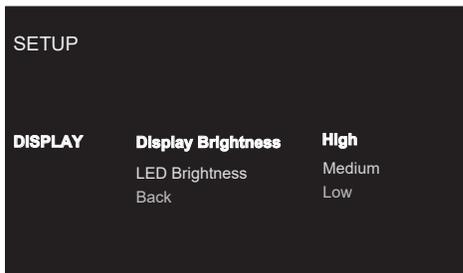
The Display menu in the Setup menu, provides the following options, selected by placing the highlight on the desired line using the ∧ / ∨ / ◁◁ / ▷▷ Ⓑ arrow buttons and pressing the ▷❙❙ button Ⓚ. This action displays the right side options allowing changes. Change the options using the ∧ / ∨ / ◁◁ / ▷▷ Ⓑ arrow buttons.

Display Brightness: This function sets the brightness of the front display. The OSD will always activate at the brightest level regardless of the Brightness setting to ensure the unit configuration options can easily be accessed and modified.
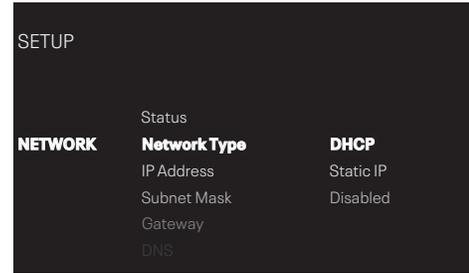
Options include: High (Default), Medium, Low.

LED Brightness: Sets the brightness of the ON level of the front panel Power LED.

Options include: High, Medium, Low (Default).

Press the Setup Ⓙ on the remote control to exit the setup menu or select "Back" on the OSD to return to the main menu.

Network Configuration

SETUP

                Status
NETWORK   **Network Type**   **DHCP**
                IP Address   Static IP
                Subnet Mask   Disabled
                Gateway
                DNS

The Network menu in the Setup menu, provides the following options, selected by placing the highlight on the desired line using the ∧ / ∨ / ◁◁ / ▷▷ Ⓑ arrow buttons and pressing the ▷❙❙ button Ⓚ. This action displays the right side options allowing changes. Change the options using the ∧ / ∨ / ◁◁ / ▷▷ Ⓑ arrow buttons.

Status: If the network is properly configured and attached to the network then "Connected" will be displayed. If the network is not properly configured or not connected to a network, "Disconnected" will be displayed.

Network Type: In most systems, set the IP ADDRESS MODE to DHCP. This setting will allow your router to assign an IP address to the unit automatically. If your network uses fixed IP addresses, set the IP ADDRESS MODE to Static. To disable the IP connection set this option to DISABLED.

Options include: DHCP (Default), Static IP, Disabled.

IP Address/Subnet Mask/Gateway/DNS: Disabled if Network Type is DHCP or Disabled. If STATIC mode is selected you must configure all settings for the network including IP Address, Subnet Mask, Gateway and DNS Server. Press the ▷❙❙ button to activate the first digit in the line you want to change, then use the ∧ / ∨ / ◁◁ / ▷▷ Ⓑ arrow buttons to adjust the values and press the ▷❙❙ button to cycle to the next digit. When the proper IP information is configured press the ▷❙❙ button to move the cursor back to the previous menu and accept the settings. After entering the STATIC IP address information the network will be tested and connection status reported.

NOTE: For more information regarding network connection please contact your authorized Michi dealer.

NOTE: A network connection is not required for the unit to operate.

Renew IP Address: Disabled if Network Type is Static or Disabled. If Network Type is DHCP then select Yes and press the Enter Ⓚ button to renew the IP address.
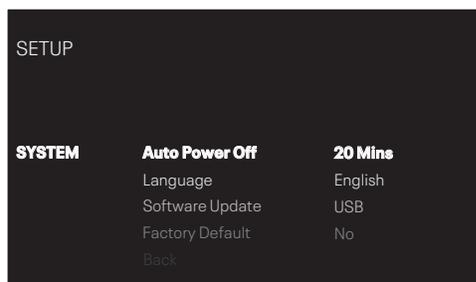
Network Standby: When set to Enabled the unit will maintain the Ethernet IP connection even in Standby Mode allowing the unit to be powered on via IP. If Disabled the unit will not power on from the IP connection and must use either the front panel, IR remote or RS232 to power on the unit.

Options Include: Disabled (Default), Enabled

NOTE: When Network Standby is enabled the unit will consume additional power.

Press the Setup Ⓙ on the remote control to exit the setup menu or select "Back" on the OSD to return to the main menu.

System Configuration

```
SETUP


SYSTEM      Auto Power Off      20 Mins
            Language            English
            Software Update     USB
            Factory Default     No
            Back
```

The System menu in the Setup menu, provides the following options, selected by placing the highlight on the desired line using the ⌃ / ⌄ / ⫷⫷ / ⫸⫸ Ⓑ arrow buttons and pressing the ▷‖ button Ⓚ. This action displays the right side options allowing changes. Change the options using the ⌃ / ⌄ / ⫷⫷ / ⫸⫸ Ⓑ arrow buttons.

Auto Power Off: Set the amount of time the units stay powered on when there is no audio signal. The unit will automatically go to standby mode if audio is not detected for the specified timer period. Default: 20 Mins.

Options include: Disabled, 20 Mins (Default), 1 Hour, 2 Hours, 5 Hours, 12 Hours.

Language: Select a language for the On Screen Display.

Options include: English (Default), 中文, Español, Português BR, Français, Deutsch, Italiano, Русский, Česky, Svenska, Polski.

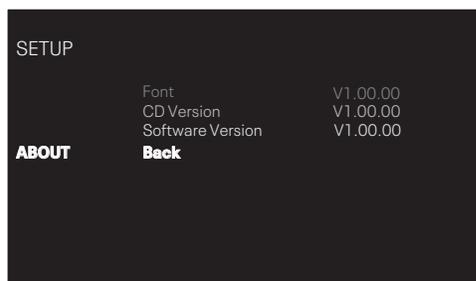**Software Update:** Select the desired update method to update the unit.

Options include: No (Default), USB, Internet.

Factory Default: This option sets the unit back to the original setting as when it left the factory. All user settings will be erased.

NOTE: Use caution when resetting the unit to factory defaults as all user configured options will be erased and reset to original factory settings.

Press the Setup Ⓙ on the remote control to exit the setup menu or select "Back" on the OSD to return to the main menu.

Software Information

```
SETUP


            Font                V1.00.00
            CD Version          V1.00.00
            Software Version    V1.00.00
ABOUT       Back
```

The ABOUT menu displays detailed information about the unit's main software, font and CD version. This section is useful for verifying the current software level and determining whether an update is available.

Font: This shows the font software version loaded in the unit.

CD Version: This shows the current loaded software version for the CD mechanism.

Software Version: This shows the current main software version.

NOTE: The ABOUT menu is view-only. No settings can be adjusted from this menu.

Press the Setup Ⓙ on the remote control to exit the setup menu or select "Back" on the OSD to return to the main menu.

Troubleshooting

Most difficulties in audio systems are the result of incorrect connections, or improper control settings. If you encounter problems, isolate the area of the difficulty, check the control settings, determine the cause of the fault and make the necessary changes. If you are unable to get sound from the unit, refer to the suggestions for the following conditions:

Power Indicator Is Not Illuminated

The Power Indicator ring around the power button and the basic items in the Display window should be illuminated whenever the unit is plugged into the wall power outlet and the POWER switch is pushed in. If it does not light, test the power outlet with another electrical device, such as a lamp. Be sure the power outlet being used is not controlled by a switch that has been turned off.

Fuse Replacement

If another electrical device works when plugged into the power outlet, but the Power Indicator still will not illuminated when the unit is plugged into the wall outlet, it indicates that the internal power fuse may have blown. If you believe this has happened, contact your authorized Michi dealer to get the fuse replaced.

No Sound

Check the signal source to see if it is functioning properly. Make sure the cables from the signal source to the unit inputs are connected properly. Check the wiring between the unit and the speakers.

Specifications

Total Harmonic Distortion	< 0.0006%
Frequency Response	20 Hz - 20 k Hz (+0, -0.3 dB)
Channel Balance	± 0.5 dB
Channel Separation	
Unbalanced (RCA)	> 105 dB @ 10 kHz
Balanced (XLR)	> 110 dB @ 10 kHz
Signal to Noise Ratio (A weighted)	
Unbalanced (RCA)	> 120 dB
Balanced (XLR)	> 125 dB
Dynamic Range	> 99 dB
Digital to Analog Converter	ESS ES9028PRO DAC
Digital Output	Coaxial Out
Analog Output Level	
Unbalanced (RCA)/Impedance	1.96 Vrms/100 Ω
Balanced (XLR)/Impedance	4.2 Vrms/2 k Ω
GENERAL	
Power Requirements:	
USA:	120 volts, 60 Hz
EC:	230 volts, 50 Hz
Power Consumption	25 watts
Standby Power Consumption	<0.5 watts
Dimensions (W x H x D)	431 x 148x 385 mm (17 x 6 x 15 1/4 ins.)
Front Panel Height	131 mm, 5 $\frac{1}{6}$ ins
Weight (net)	8.8 kg, 19.5 lbs

All specifications are accurate at the time of printing.
Michi reserves the right to make improvements without notice.

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