



MÉTRONOME
LE SON VRAI

HYBRID D/A CONVERTER, SACD / CD PLAYER
& STREAMER



Owner's Manual

DSD
Direct Stream Digital

roon
ready

UPnP
dlna
CERTIFIED

Dear Music Lover,

Congratulations for acquiring a
Métronome device! My Team and myself
thank you for your trust and your choice.

Métronome Technologie has been designing and
handcrafting hi-fi devices for more than 30 years,
with the permanent objective to make top high-
end products giving the most realistic sound
reproduction.

All our products are fully designed in our
workshop in the South of France and manufactured
by our handcrafters in the most sustainable way.

I wish you long hours of musical pleasure with
your new device, and always keep at your disposal
for all your questions and feedback on our products.

Very Best regards,

JM Clauzel

Jean Marie CLAUZEL
Owner and Designer

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Accessories

Make sure you find the following accessories inside the box :



Power cable



Manual



Antenna



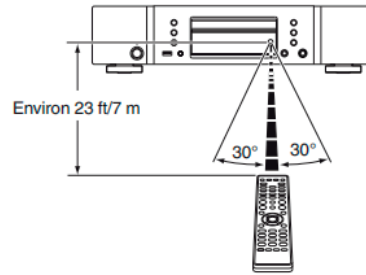
Remote control



Clamp

Remote control range

Point the remote control at the sensor on the device.



Safety information

To avoid the risk of fire or electric shock, keep the unit in a dry place. Do not expose it to moisture.

Before connecting and operating the product, please read this manual carefully. The power supply generates voltages that are dangerous to the human body :

- Do not insert any metal objects through the top cover or on the vents, or on the connectors.
- Never remove the top cover if the unit is not unplugged. Please contact your dealer for service.

Product features, specifications and design to change without notice.

Always disconnect your entire system from the mains before connecting or disconnecting any cables, or before cleaning any components.

A three-conductor AC (IEC) main power cable with a grounding connection must be used. To avoid the risk of shock, all three connections should always be used.

Never use flammable or combustible chemicals for cleaning (especially on the touch screen).

Never operate the unit without the top cover in place.

Never wet the inside of the device with any kind of liquid.

Never block the air flow through the ventilation slots.

Never bypass fuses or replace the fuse with another type than specified.

Never attempt to repair the product ; contact the factory or your dealer.

Never expose the product to extremely high or low temperatures.

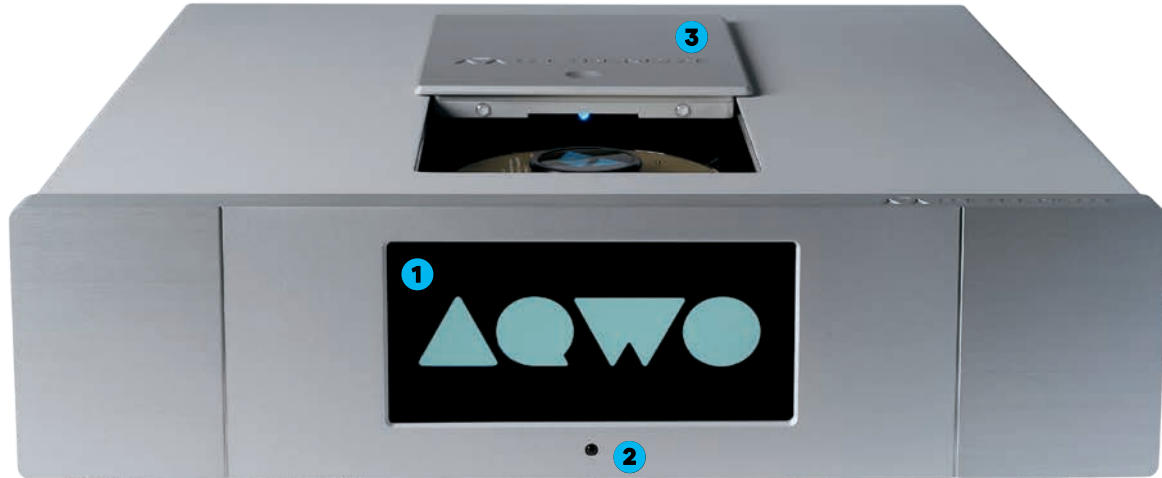
Always unplug all sensitive electronic equipment during lightning storms.

Position the device

For optimal operation of the unit, please ensure that it is :

- Positioned on a flat surface to make it stable.
- Positioned so that all three feet are in contact with the surface.

Front panel



Information on the front panel

1 Display

- 7 inch touch screen to control the device

2 Infrared sensor

- Establish a connection with the remote control

3 Drawer

- Allows you to insert a CD

Screen interface



SACD / CD Menu

1 Input logo

- Touch : Layer SACD / CD
- Info : White = SACD Layer, Grey = CD Layer

2 Repeat

- Touch : Change repeat mode
- Info : White = Repeat disc, White1 = Repeat track, Grey = OFF

3 Shuffle

- Touch : Change shuffle mode
- Info : White = ON, Grey = OFF

4 Track

- Info : Current track number

5 Time

- Touch : Change time mode
- Info : When stopped = Total time info. When playing = Time info depending on the time mode
- Time modes : Elapsed -> Remain -> Total Remain

6 Playback Control

- Info : Play / Pause will change depending on the playback state of the device



DAC Menu

1 Input logo

- Info : Selected input

2 Sample Rate

- Info : Actual playback sample rate

1 Input logo

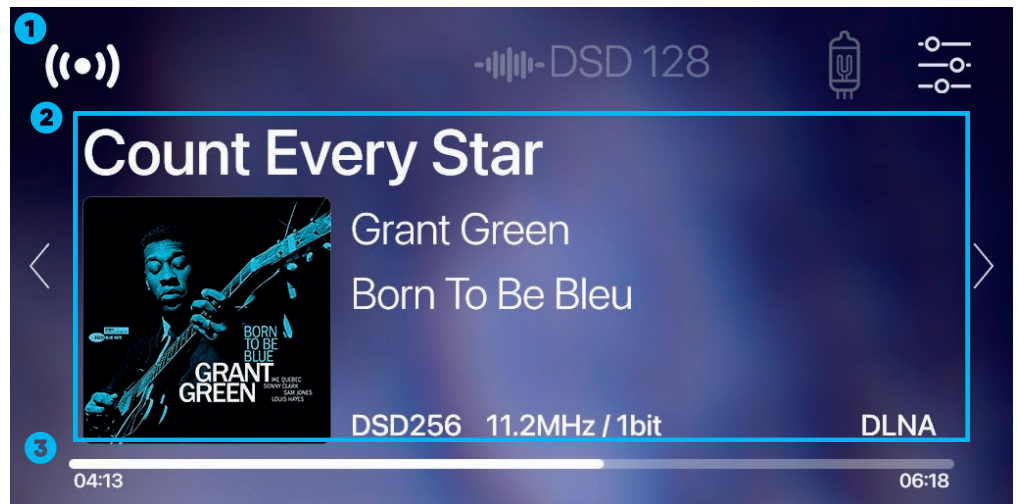
- Info : Filled White = Network connected
Animated logo = Connecting to network

2 Metadata Information

- Info : Title, Track, Album, Cover Art, Format & Source

3 Time Information

- Info : Current track time info



Network Menu

Common toolbar

1 Digital Output Resampling Information

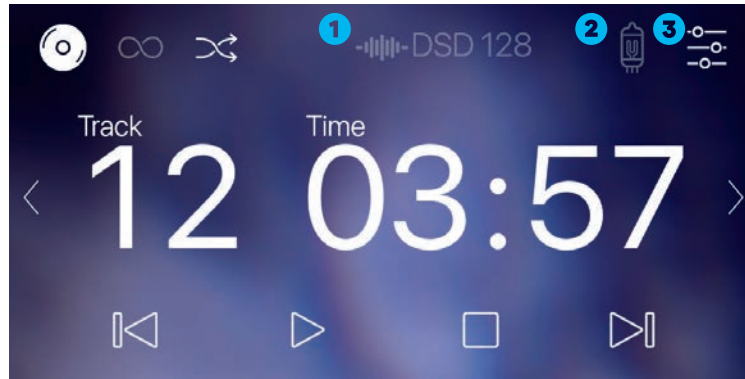
- Touch : ON/OFF
- Info : White = ON, Grey = OFF

2 Tube Output (Tube option only)

- Touch : ON/OFF
- Info : White = ON, Grey = OFF

3 Settings button

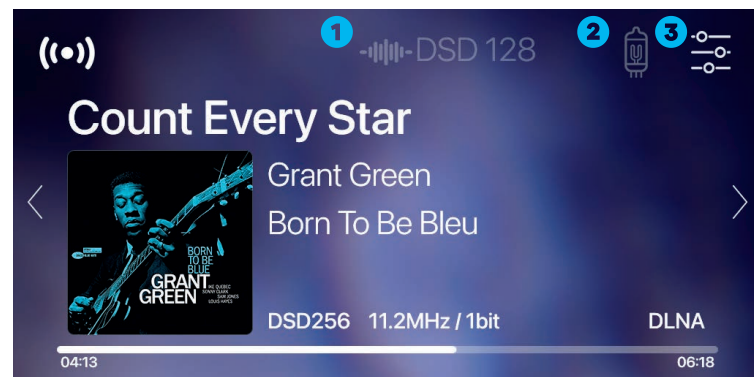
- Touch : Go to menu settings



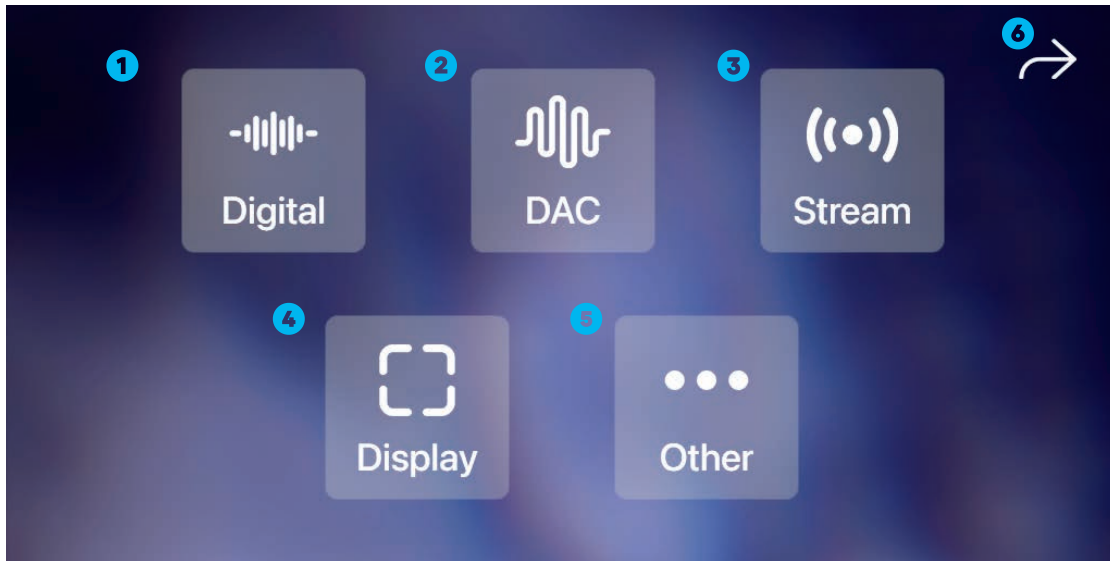
SACD / CD Menu



DAC Menu



Network Menu



Settings - Main Menu

1 Digital Menu

- Info : Signal resampling for digital output, SPDIF DoP output & MQA full decoding

2 DAC Menu

- Info : Internal digital filter, Analog output level & Tube output

3 Stream Menu

- Info : Display metadata, Wifi enable & Gapless mode

4 Display Menu

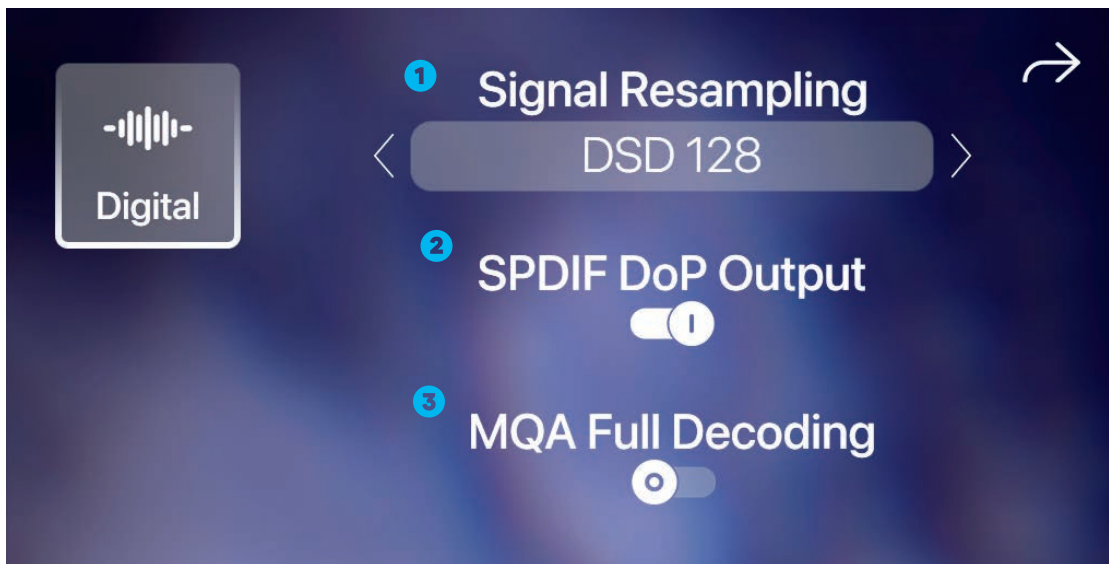
- Info : Screen brightness cursor & Background

5 Other Menu

- Info : Device information & Restore default settings

6 Return

- Touch : Will ask confirmation before restoring device settings to default



Settings - Digital Menu

1 Signal Resampling for Digital Output

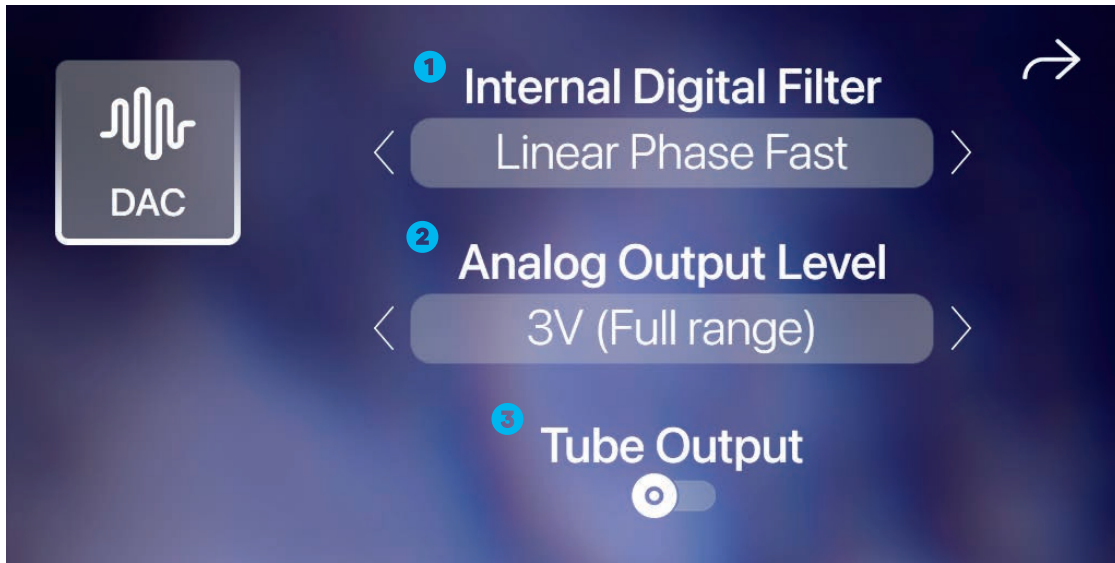
- Touch : Arrows = UP / DOWN
Touch center = ON / OFF
- Info : I2S output up to DSD256
SPDIF output up to DSD128

2 SPDIF DoP Output

- Touch : ON / OFF
- Info : When ON, DSD64 & DSD128 in DoP
When OFF, DSD64 is converted to PCM 176.4 and DSD128 is converted to PCM 352.8
(SPDIF output only, I2S out always native DSD)

3 MQA Full Decoding (Network input only)

- Touch : ON / OFF
- Info : When ON, enable full MQA compatibility (decoder + renderer). Digital output will be disabled when playing MQA file
When OFF, MQA decoder only. Digital output will be enabled when playing MQA file



Settings - DAC Menu

1 Internal Digital Filter

- **Touch :** Arrows = UP / DOWN
- **Info :**

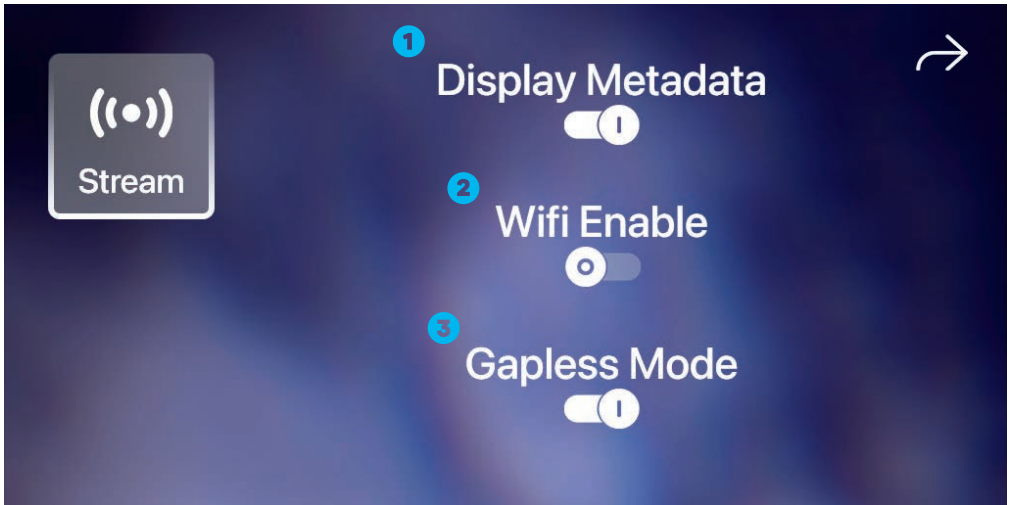
Linear Phase Fast	Linear Phase Slow	Minimum Phase Fast
Minimum Phase Slow	Apodizing Fast	Minimum Phase
Brick Wall	Corr. Min Phase Fast	

2 Analog Output Level

- **Touch :** Arrows = UP / DOWN
- **Info :** 1V4, 2V5 & 3V
Output level 1V4 and 2V5 are fixed by the DAC volume control
3V = Full range = no volume control

3 Tube Output (Tube option only)

- **Touch :** ON / OFF
- **Info :** When ON, analog output stage is Tube.
When OFF, analog output stage is AOP



Settings - Stream Menu

1 Display Metadata (Network menu)

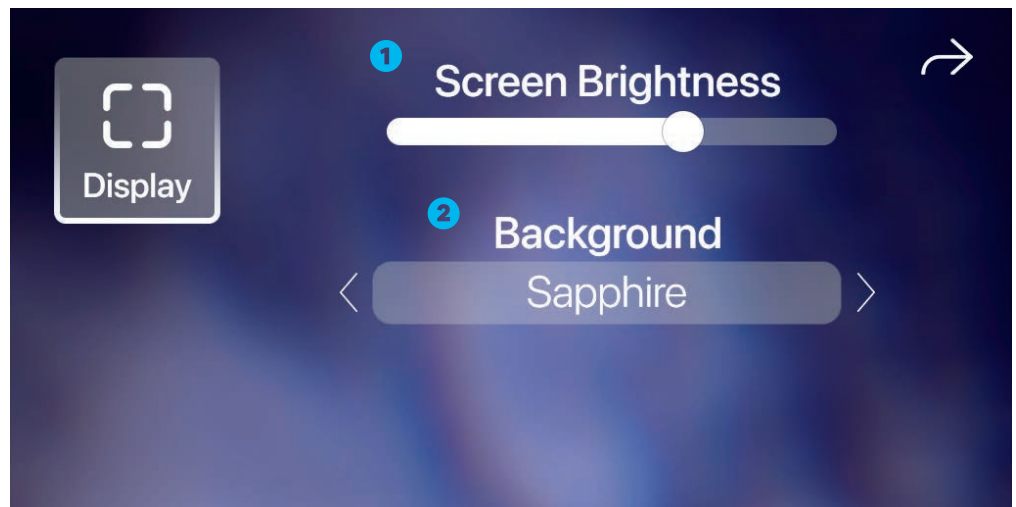
- Touch : ON / OFF
- Info : When ON, display network metadata
When OFF, display classic sample rate info

2 Wifi Enable

- Touch : ON / OFF
- Info : Enable / disable internal wi-fi module

3 Gapless Mode

- Touch : ON / OFF
- Info : Enable / disable gapless playback functionality



Settings - Display Menu

1 Screen Brightness Cursor

- Touch : Define brightness with cursor

2 Background

- Touch : Arrow = UP / DOWN
- Info : Change between 5 different backgrounds



Settings - Other Menu

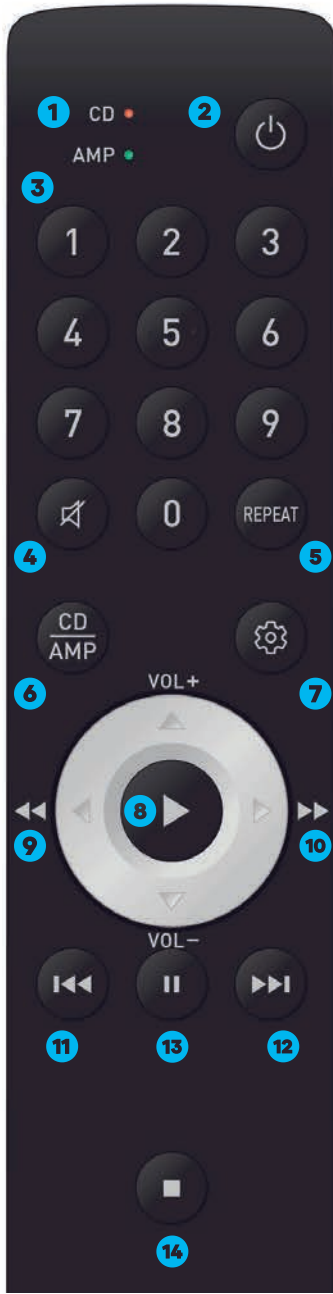
1 Device information

- Info : Serial Number, firmware version and streaming board version

2 Restore Default Settings

- Touch : Will ask confirmation before restoring device settings to default

Remote control

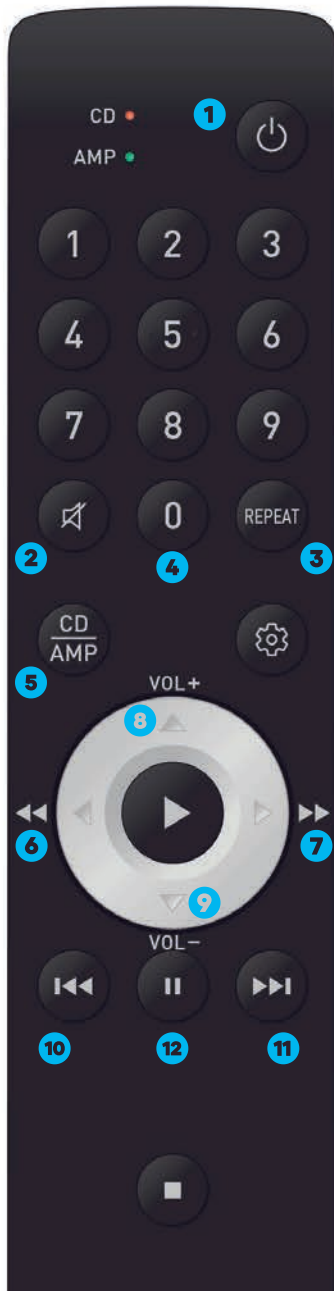


CD MODE

- 1 LED**
 - Indicates the mode used
- 2 Standby**
 - Switch to standby
- 3 Number 0 to 9**
 - Choose the track number
- 4 Mute**
 - Switch between CD / SACD layer
- 5 Repeat**
 - Repeat modes : OFF -> Track -> Disc
- 6 CD / AMP mode ***
 - Switch to AMP mode
- 7 Settings mode**
 - Switch to Settings mode
- 8 Play**
 - Start reading
- 9 Left / Rewind**
 - Rewind reading
- 10 Right / Forward**
 - Forward reading
- 11 Skip back**
 - Set the previous track
- 12 Skip forward**
 - Set the following track
- 13 Pause**
 - Pause playback
- 14 Stop**
 - Stop reading

**If you are in AMP mode, this will put you in CD mode.*

Remote control



SETTINGS MODE

- 1 Standby**
 - Switch to standby
- 2 Mute**
 - Resample ON / OFF
- 3 Repeat**
 - Change the type of disc time display
- 4 Number 0**
 - Tubes ON / OFF (*Available only if device has Tubes option*)
- 5 CD / AMP mode**
 - Switch to CD and AMP mode
- 6 Left / Rewind**
 - Change the input
- 7 Right / Forward**
 - Change the input
- 8 UP / VOL +**
 - Increase the brightness
- 9 DOWN / VOL -**
 - Decrease the brightness
- 10 Skip back**
 - Decrease the resample
- 11 Skip forward**
 - Increase the resample
- 12 Pause ***
 - Access / Exit the main settings menu

**Settings menu IR control (in SETTINGS mode)*

IR control commands will be different if you are in the settings menu

- **Arrows keys** : navigation in the settings menu
- **Play** : toggle selected parameter (if possible)
- **Pause** : return to previous menu (or enter settings menu if used in main menu)

Rear panel



Information on the rear panel

1 Switch

- Switches the device ON and OFF

2 Mains socket

- Device power supply

3 Digital inputs

- S/PDIF, AES/EBU, Toslink & USB

4 RJ45 socket

- Connexion for the LAN Network

5 USB service

- For device update

6 Digital outputs

- S/PDIF, AES/EBU & I2S

7 Antenna socket

- Connexion for the Wifi antenna

8 Analog outputs

- RCA x2 & XLR x2

Cables to purchase

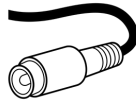
To use the audio outputs of the device, and to connect to network, make sure you have all the necessary cables :



SPDIF cable



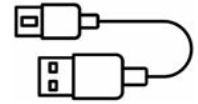
HDMI cable



AES / EBU cable



Toslink cable



USB cable

Connecting a digital source

You can connect AQWO 2 digital inputs to any compatible digital source.

This connection can be made using AES/EBU, S/PDIF, Toslink or USB cable. (See Rear panel, Page 16).

Connecting an external converter (DAC)

You can connect AQWO 2 digital outputs to any compatible external converter.

This connection can be made using AES/EBU, S/PDIF, or I2S cable. (See Rear panel, Page 16).

Connecting a pre-amp or speaker

You can connect AQWO 2 analog outputs to any compatible pre-amp/amp or speakers.

This connection can be made using RCA or XLR cable. (See Rear panel, Page 16).

Connecting a RJ45 socket

You can connect your device to network via an Ethernet cable. This connection will allow the streaming module to connect to the network. Please note that ethernet connection take priority over the wifi connection (See using the application, Page 19).

Connecting the power cable

To power up your device, you must first connect the power cable to the back of your device.

This cable is included in the package (See Rear panel, Page 16).

Using the device

Power on

To turn on your device, once the power cable is plugged in, press the switch on the back of the device to turn it on (I).

When it is switched on, you can slide out the drawer and insert a CD with the clamp.

Close the drawer, then with your remote control, you can navigate the menus to play your music.

Turn off the AQWO 2 after use (O).



Make sure that all cables are connected before switching on your device.

Using the application

Download mConnect

We recommend you use the mConnect Control application to enjoy your AQWO 2.

There are several versions of the application (paid and free), which can be found on the download platforms, Play Store and Apple Store.

Here is the official logo of the application :



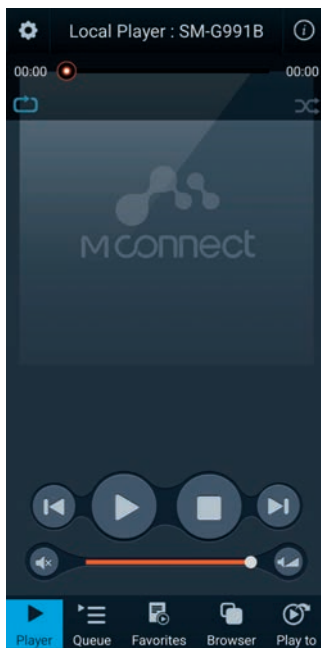
For IPAD



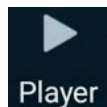
For smartphone

First use

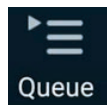
When you start the application, this interface appears :



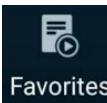
Explanation of the different menus :



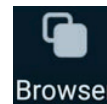
"Player " menu : manage your music (play, pause, rewind, change the volume...).



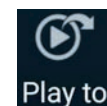
"Queue" menu : see the list of tracks music.



"Favorites" menu : find your favorites musics.



"Browser" menu : launch music via external platforms (Spotify, Deeze, Qobuz...).



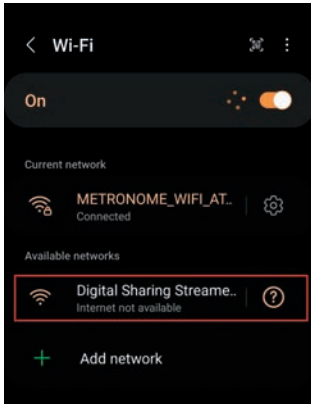
"Play to" menu : connect your smartphone to your device.

Connecting to Wi-Fi

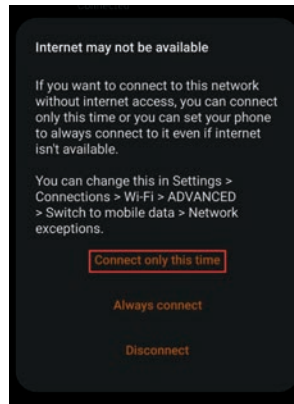
When connected with Ethernet, the AQWO 2 is automatically detected on the application in the "Play to" menu. Just click on the name of your device.

To connect to the Wi-Fi via the antenna :

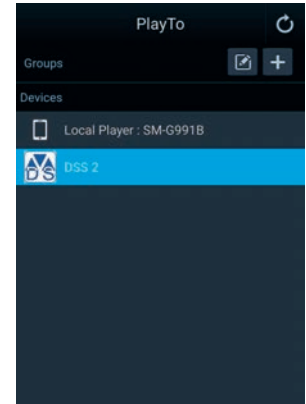
Step 1 : Once your device is switched on, go to your smartphone's Wi-Fi setting and click on the device's Wi-Fi.



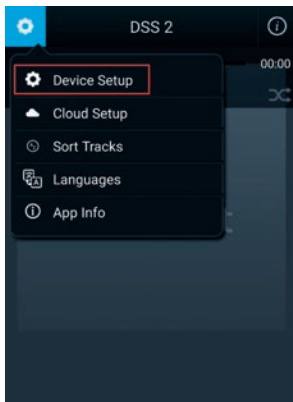
Step 2 : Select "Connect only this time".



Step 3 : Open the mConnect Control application. In the "Play to" menu, select your device.



Step 4 : In the "Player" menu, select the gear, then "Device Setup".



Step 5 : In the settings, click on "Wi-Fi network selection". In this menu, enter the PIN code of your box to connect to the internet.



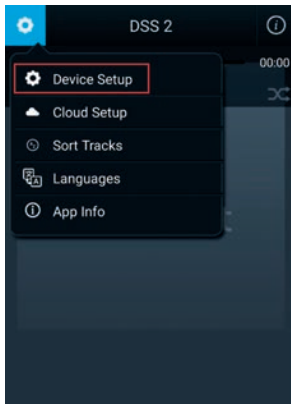
Updating the device

Regular updates are required for the mConnect Control application and the device's stream map. In order to do this correctly, please follow the steps below.

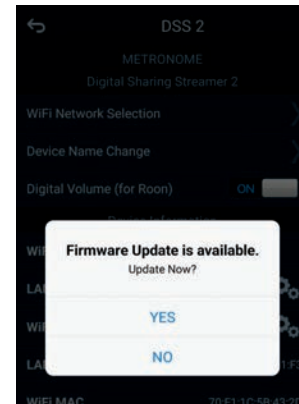
In the settings of your smartphone, select automatic updates of the mConnect Control application updates automatically.

To update the firmware of the device, follow the instructions below :


Step 1 : In the "Player" menu, select the gear, then "Device Setup".



Step 2 : If an update is available, a message will open asking you to perform the update.



Once the update is complete, your device is ready for use.

 Do not turn off the device while an update is in progress. This may damage the device.

Advanced fonctionnality

You will be able to set the "Digital volume (for Roon)" parameter directly in the "Device Setup" menu.

ON : Digital Volume Control in Roon is Enabled, volume will be adjustable from Roon. With this parameter enabled, you will not be able to play native DSD on Roon.

OFF : Digital Volume Control in Roon is Disabled, volume will be fixed. With this parameter disabled, you will be able to play native DSD on Roon.

Technical specifications

General

<u>Power consumption:</u>	40 Watts	<u>Standby power consumption:</u>	32 Watts
<u>Operating temperature:</u>	+5°C to +35°C	<u>USB:</u>	1x Port USB 2.0 (for updates)
<u>Operating humidity:</u>	5 % to 90 % (fog-free)	<u>Dimensions (L x H x W):</u>	425 x 130 x 415 mm
<u>Storage environment:</u>	-20°C to +65°C	<u>Weight:</u>	15 kg

Analog outputs

	[Output impedance]	[Maximum output level (0 db)]
<u>RCA:</u>	75 Ω	3 V
<u>XLR:</u>	110 Ω	3 V

Digital outputs

	[PCM]	[DSD]
<u>S/PDIF:</u>	44.1 to 384 kHz / 32 bits	DoP DSD64 to DSD128
<u>AES/EBU:</u>	44.1 to 384 kHz / 32 bits	DoP DSD64 to DSD128
<u>HDMI:</u>	44.1 to 384 kHz / 32 bits	Native DSD64 to DSD256

Digital inputs

	[PCM]	[DSD]
<u>S/PDIF:</u>	44.1 to 384 kHz / 32 bits	DoP DSD64 to DSD128
<u>AES/EBU:</u>	44.1 to 384 kHz / 32 bits	DoP DSD64 to DSD128
<u>Toslink:</u>	44.1 to 192 kHz / 32 bits	DoP DSD64
<u>USB:</u>	44.1 to 384 kHz / 32 bits	Native DSD64 to DSD512
<u>Streaming:</u>	44.1 to 384 kHz / 32 bits	Native DSD64 to DSD256

Network

<u>Wi-Fi:</u>	Dual Band (2,4 & 5 GHz)		DLNA/UPnP, Spotify Connect, et Roon
<u>Ethernet:</u>	1x Port Ethernet 10/100/1000	<u>Support for protocols:</u>	Ready, Deezer, TIDAL, Qobuz, Bugs, vTuner Internet Radio
<u>MQA:</u>	MQA Renderer 44.1 to 384 kHz / 32 bits		

Display

<u>Size:</u>	7 inches
<u>Resolution:</u>	1024 x 600
<u>Touch screen:</u>	✓

Fuse

<u>Current range:</u>	1 A	<u>Speed:</u>	Timed (T)
<u>Size:</u>	5 mm x 20 mm	<u>Positioning:</u>	Under the mains socket

Glossary

<u>PCM:</u>	Pulse Code Modulation.
<u>DSD:</u>	Direct Stream Digital.
<u>DoP:</u>	DSD Over PCM.
<u>MQA:</u>	Master Quality Authenticated.
<u>S/PDIF:</u>	Sony / Philips Digital InterFace.
<u>AES/EBU:</u>	Audio Engineering Society & European Broadcasting Union.
<u>HDMI:</u>	High Definition Multimedia Interface.

Tube option

The tubes are an option to be added in your AQWO 2.

This option allows you to change the output stage.

Once your device has the tube option, you can activate it in the different menus SACD / CD, DAC and Network (see page 8)

[Maximum output level (0 db)]

Tube option :

3 V

Tips for a quick diagnosis

If you notice a fault with your device, check first :

1. All connections are correct ?
2. Is the device used as described in the user manual ?

If this device is not working properly, please check the symptoms in this section.

If none of the symptoms correspond to any of those described in this manual, disconnect the power to your device and contact your distributor or dealer.

Some possible failures

The device does not turn on

- Check the power cable connection.
- Check the connections to the wall socket.
- Check the power switch connections.
- Check the fuse.

No sound is emitted

- Check the connections to all your devices.
- Check the condition of the cables.
- Check that the drawer is closed properly

The mConnect Control application is not working

- Check for updates to your mConnect Control application.
- Check the status of your internet connection.
- Uninstall and reinstall your mConnect Control application.

I can't access the internet with my device

- If you are using an RJ45 cable, check that your Ethernet port is flashing the back of the device.

Warranty

Métronome Technologie guarantees the components of your Métronome® AQWO 2 for 2 years from the date of purchase. In the event of product failure, Métronome Technologie will repair, readjust and, if necessary, replace the equipment provided that all the clauses of the warranty are respected. In order to initiate service of any kind, it is necessary to obtain authorization from the distributor or dealer and then ship the defective unit.

Please note that any of the following conditions will void the warranty :

- Use not in accordance with this manual.
- Abuse, accident or unauthorised modifications to the unit.
- Removal of serial numbers, defacement or tampering.
- Shipment without the complete original boxes and foams.

Métronome Technologie cannot be held responsible for any accidental damage occurring during the operation, breakdown, troubleshooting or repair of your AQWO 2.

Legal notice

Métronome® is a registered brand of ABSOUND S.A.S.
METRONOME TECHNOLOGIE S.A.S.
Société par Actions Simplifiée au capital de 38,250 euros,
enregistrée au registre du commerce d'Albi
sous le numéro 387 912 710 - APE 2640Z

Métronome Technologie is a subsidiary of ABSOUND S.A.S.


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