

AQWO 2+

HYBRID D/A CONVERTER,
SACD / CD PLAYER & STREAMER
Owner's manual



100% Made in France



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,
Jérôme

SUMMARY

ACCESSORIES

Remote control	4
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IMPORTANT INFORMATION

Safety information	5
Position of the device	5

FUNCTIONS

Front panel	6
Back panel	7
Cables to purchase	8
Connecting a digital source	8
Connecting to an external converter	8
Connecting pre-amp or speakers	8
Connecting to a RJ45 socket	8
Using the device	9
Remote control - CD mode	9
Remote control - Settings mode	10

DEVICE INTERFACE

Main interface	11
Settings interface	11
Network menu	12

Common toolbar	12
Settings - Main menu	13
Settings - Digital menu	13
Settings - DAC menu	14
Settings - Stream menu	14
Settings - Display menu	15
Settings - Other menu	15

SETTING UP STREAMING

Download mConnect	16
First use	16
Connecting to your network	17
Updating the device	18
Advanced features	18

TROUBLESHOOTING

Tips for a quick diagnosis	19
Some possibles failures	19

TECHNICAL SPECIFICATIONS

20-21

WARRANTY

22

ACCESSORIES

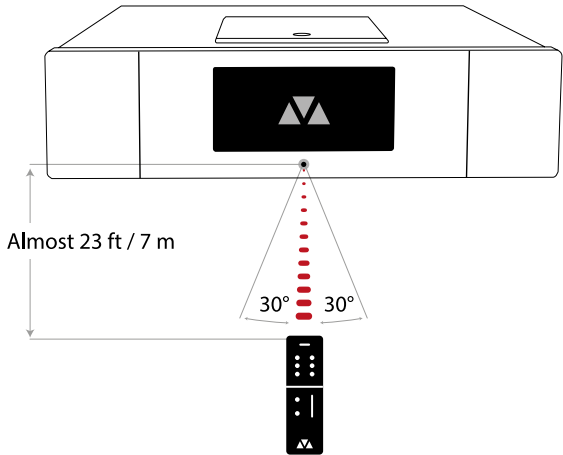
Make sure you find the following accessories inside the box:

					
Power cable	Manual	Remote control	Clamp	Wi-Fi Antenna	ODU cable

REMOTE CONTROL

Point the remote control at the sensor on the device.

 For safety reasons, the remote control battery is not included. (LR03 AAA).



IMPORTANT INFORMATION

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.

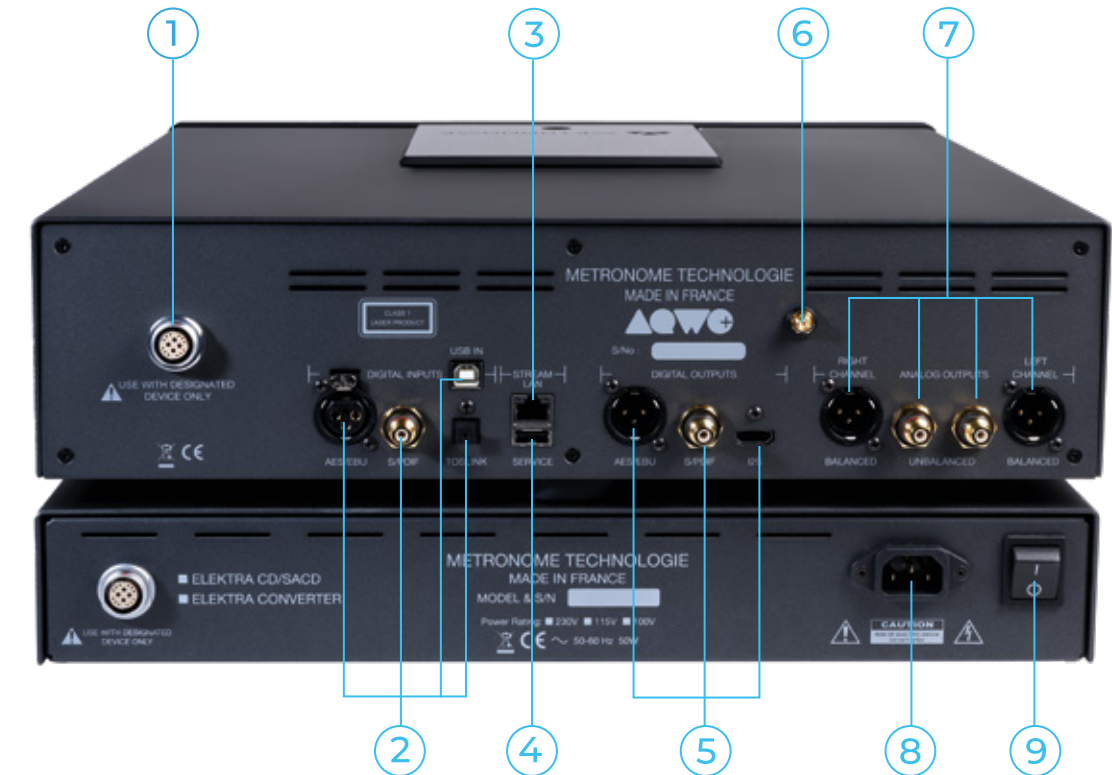
FUNCTIONS

FRONT PANEL



- ① Display: 7 inches touch screen to control the device.
- ② Drawer: to insert a CD.
- ③ Infrared sensor: establish a connection with the remote control.
- ④ Power LED external power supply: indicates that the device is switched on.

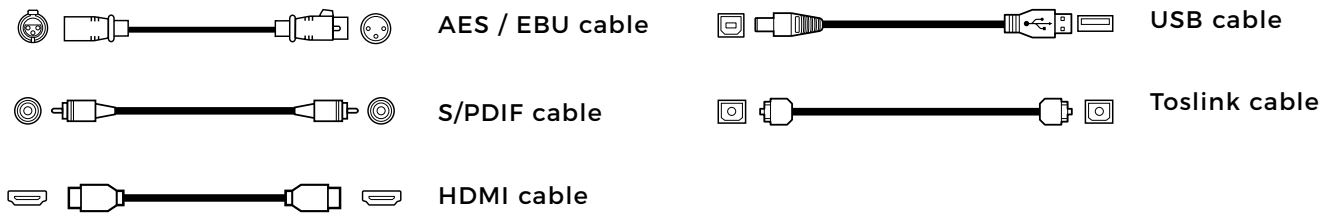
BACK PANEL



- ① Connexion drive to power supply
- ② Digital inputs: AES/EBU, S/PDIF, USB, Toslink
- ③ RJ45 socket
- ④ USB (for device update)
- ⑤ Digital outputs: AES/EBU, S/PDIF, I2S
- ⑥ Antenna socket: connexion for the Wi-Fi antenna
- ⑦ Analog outputs: RCA x 2, XLR x 2
- ⑧ Power supply socket
- ⑨ Switch ON / OFF

CABLES TO PURCHASE

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



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 (3 page 7).

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 (6 page 7).

CONNECTING A PRE-AMP OR SPEAKERS

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 (8 page 7).

CONNECTING A RJ45 SOCKET

You can connect your device to network via an Ethernet cable (4 page 7). This connection will allow the streaming module to connect to the network. Please note that ethernet connection takes priority over the Wi-Fi connection.

USING THE DEVICE

To power up your device, you must first connect the power cable to the back of your device (2 page 7). This cable is included in the package.

Once the power cable is plugged in, press the switch on the back of the device to turn it on (1 page 7).

When it is switched on, you can slide out the drawer and insert a CD with the clamp (2 page 6). Close the drawer, then with your remote control, you can navigate the menus to play your music. Turn off AQWO 2+ after use (O).

REMOTE CONTROL - CD MODE



- 1 LED: Indicates the mode used.
- 2 Standby: ON / OFF.
- 3 Number 0 to 9: choose the track number.
- 4 Mute: switch between CD / SACD player.
- 5 Repeat: repeat modes OFF → Track → Disc.
- 6 CD/AMP mode: toggle between CD and 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.

REMOTE CONTROL - SETTINGS MODE



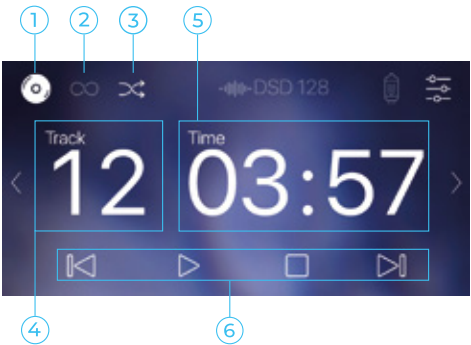
- ① Standby: ON / OFF.
- ② Mute: resample ON / OFF.
- ③ Number 0: Tubes ON / OFF (available only if device has tubes option).
- ④ Repeat: change the type of disc time display.
- ⑤ CD/AMP mode: toggle between CD and AMP mode.
- ⑥ Up / VOL+: increase screen brightness.
- ⑦ Down / VOL-: decrease screen brightness.
- ⑧ Left arrow: change the input.
- ⑨ Right arrow: change the input.
- ⑩ Skip back: decrease digital output resampling settings.
- ⑪ Pause*: access / exit the main settings menu.
- ⑫ Skip forward: increase digital output resampling settings.

*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).

DEVICE INTERFACE

MAIN INTERFACE



- ① Input logo
Touch: player SACD / CD.
White = SACD player
Grey = CD player
- ② Repeat
Touch: change repeat mode.
White = Repeat disc
White1 = Repeat track
Grey = OFF
- ③ Shuffle
Touch: change shuffle mode.
White = ON
Grey = OFF
- ④ Track
Current track number.
- ⑤ Time
Touch: change time mode.
Stopped = Total time info.
Playing = Time info depending on the time mode
Time modes: Elapsed → Remain → Total Remain
- ⑥ Playback control
Play / Pause will change depending on the playback state of the device.

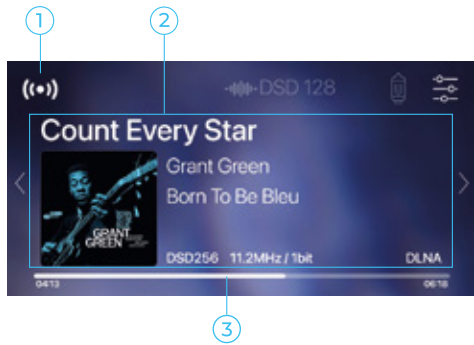
SETTINGS INTERFACE

DAC MENU



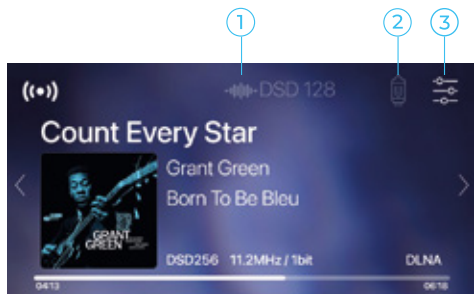
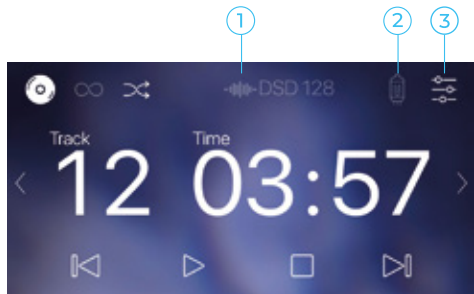
- ① Input logo
Selected input.
- ② Sample rate
Actual playback sample rate.

NETWORK MENU



- ① **Input logo**
Filled White:
network connected.
Animated logo:
connecting to network.
- ② **Metadata information**
Title, track, album, cover,
format, and source.
- ③ **Time information**
Current track time info.

COMMON TOOLBAR



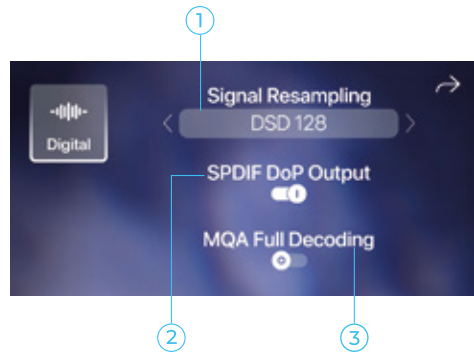
- ① **Digital Output Resampling Information**
Touch: ON/OFF.
White = ON
Grey = OFF
- ② **Tube Output (Tube option only)**
Touch: ON/OFF.
White = ON
Grey = OFF
- ③ **Settings button**
Touch: go to menu settings.

SETTINGS - MAIN MENU



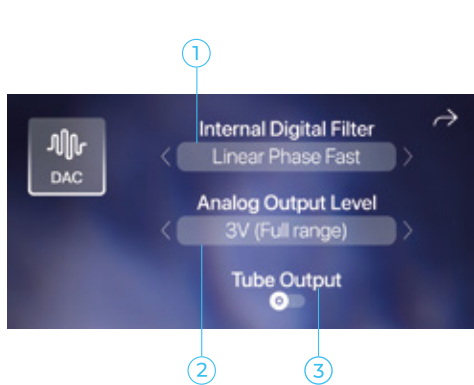
- ① **Digital menu**
Signal resampling for
digital outputs, S/PDIF
DoP output and MQA full
decoding.
- ② **DAC menu**
Internal digital filter, ana-
log output level and tube
output.
- ③ **Stream menu**
Display metadata, Wi-Fi
enable and gapless mode.
- ④ **Display menu**
Screen brightness cursor
and background.
- ⑤ **Other menu**
Device information and
restore default settings.
- ⑥ **Return**
Exit the settings menu.

SETTINGS - DIGITAL MENU



- ① **Signal Resampling for Digital Output**
Touch Arrows: UP / DOWN.
Touch center: ON / OFF.
I2S output up to DSD256
SPDIF output up to DSD128.
- ② **S/PDIF DoP Output**
Touch: ON / OFF.
When ON: DSD64 and
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.
When ON: enable full
MQA compatibility (deco-
der + renderer).
Digital output will be
disabled when playing
MQA file.
When OFF: MQA decoder
only. Digital output will
be enabled when playing
MQA file.

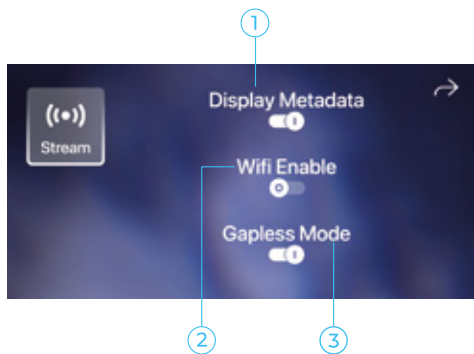
SETTINGS - DAC MENU



- ① **Internal Digital Filter**
Touch arrows: UP / DOWN.

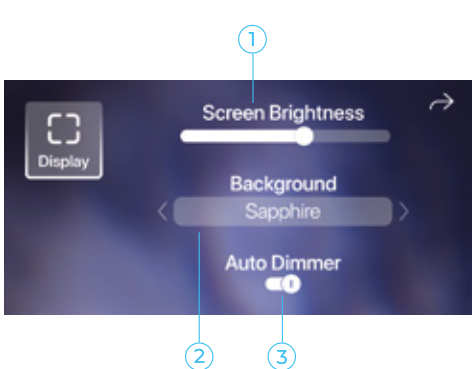
 - Linear phase fast
 - Linear phase slow
 - Minimum phase
 - Apodizing fast
 - Brick wall
 - Corr. min phase fast
- ② **Analog Output Level**
Touch arrows: UP / DOWN.
1V4, 2V5 & 3V.
Output level 1V4 and 2V5 are fixed by the DAC volume control.
3V = Full range = no volume control.
- ③ **Tube Output (Tube option only)**
Touch: ON / OFF.
When ON: analog output stage is Tube.
When OFF: analog output stage is AOP.

SETTINGS - STREAM MENU



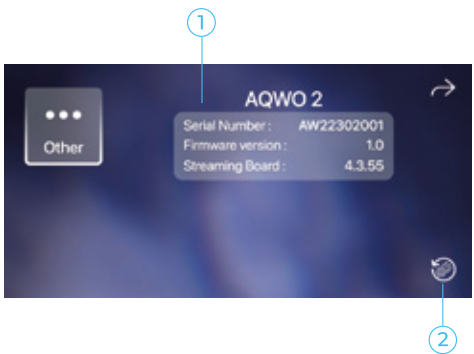
- ① **Display Metadata (Network menu)**
Touch: ON / OFF.
When ON: display network metadata.
When OFF: display classic sample rate info.
- ② **Wi-Fi Enable**
Touch: ON / OFF.
Enable / disable internal Wi-Fi module.
- ③ **Gapless Mode**
Touch: ON / OFF.
Enable / disable gapless playback functionality.

SETTINGS - DISPLAY MENU



- ① **Screen Brightness Cursor**
Touch: define brightness with cursor.
- ② **Background**
Touch arrow: UP / DOWN.
Change between 5 different backgrounds
- ③ **Auto Dimmer**
Touch: ON/OFF.
Disabled, screen keeps fixed brightness.
Enabled, lowers screen brightness after 30 minutes of inactivity, screen turns off after 6h of inactivity.

SETTINGS - OTHER MENU



- ① **Device information**
Serial Number, firmware version and streaming board version.
- ② **Restore Default Settings**
Touch: will ask confirmation before restoring device settings to default.

SETTING UP STREAMING

DOWNLOAD MCONNECT

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

Remark: do not use mconnect Player or mconnect Player lite
mConnect *Control* will allow you to access all the device's streaming settings and updates.

You will also be able to play music from your local library, NAS, or streaming service.

Here is the official logo of the application:



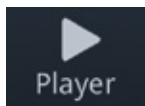
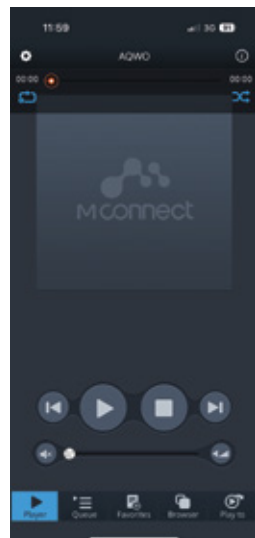
For iPad



For smartphone

FIRST USE

When you start the application, this interface appears:



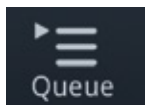
"Player" menu

Manage your music (play, pause, rewind, change the volume...).



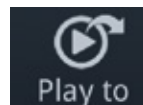
"Browser" menu

Launch music via external platforms (Spotify, Deezer, Qobuz...).



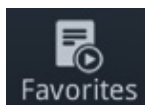
"Queue" menu

See the list of tracks music.



"Play to" menu

Connect your smartphone to your device.



"Favorites" menu

Find your favorite musics.

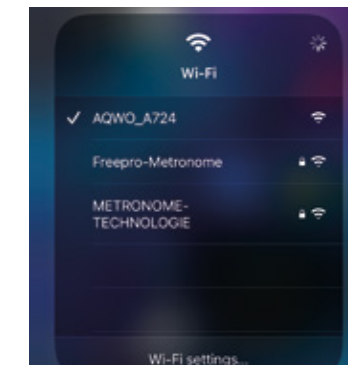
CONNECTING TO YOUR NETWORK

When connected with Ethernet, AQWO 2+ is automatically detected on the application in the "Play to" menu. Just be sure that your AQWO 2+ is connected to the same network as your controlling device.

To connect with wifi, first plug the wifi antenna to the device, then refer to the following instructions:

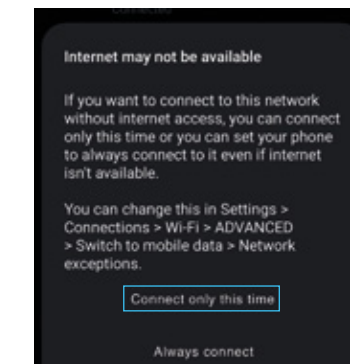
Step 1

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



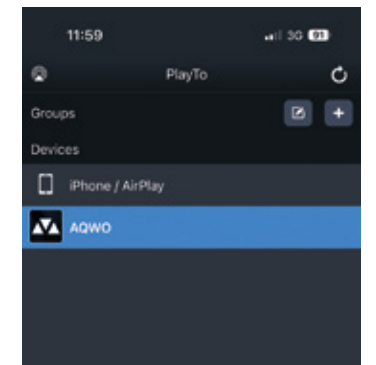
Step 2

If you have this kind of message, say ok and connect.



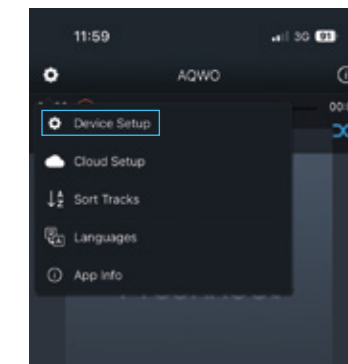
Step 3

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



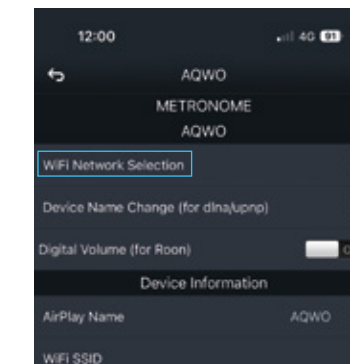
Step 4

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.



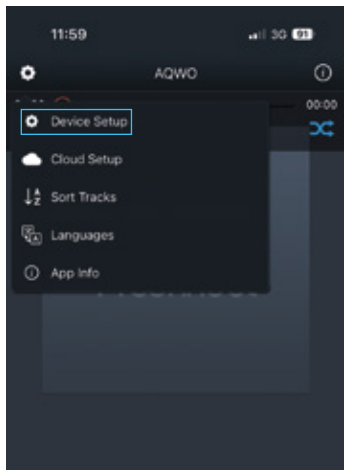
UPDATING THE DEVICE

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.*

ADVANCE FEATURES

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.

TROUBLESHOOTING

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 POSSIBLES 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 the selected output format is compatible with the cable link and with the receiver device.

TECHNICAL SPECIFICATIONS

CONVERSION PROCESSORS

Reference:
ES9039MPRO

Range:
High-End

THD+N:
-122 d

Dynamic range:
S/N 137 dB

ANALOG OUTPUTS

RCA:
Output impedance: 100 Ohms
Max. output level (0dB): 3V

XLR:
Output impedance: 150 Ohms
Max. output level (0dB): 3V

DIGITAL OUTPUTS

(resampling available)

S/PDIF:
PCM 44.1 to 384 kHz / 32 bits
DSD64 to DSD128 DoP

AES/EBU:
PCM 44.1 to 384 kHz / 32 bits
DSD64 to DSD128 DoP

I2S:
PCM 44.1 to 384 kHz / 32 bits
DSD64 to DSD256 Native

DIGITAL INPUTS

(resampling available)

S/PDIF:
PCM 44.1 to 384 kHz / 32 bits
DSD64 to DSD128 DoP

AES/EBU:
PCM 44.1 to 384 kHz / 32 bits
DSD64 to DSD128 DoP

Toslink:
PCM 44.1 to 192 kHz / 32 bits
DSD64 DoP

USB:
PCM 44.1 to 384 kHz / 32 bits
DSD64 to DSD512 Native

Streaming:
PCM 44.1 to 384 kHz / 32 bits
DSD64 to DSD256 Native

CD / SACD

CD:
44.1 kHz / 16 bits

SACD:
DSD64 Native

NETWORK

Wi-Fi:
Dual Band (2.4 & 5 GHz)

Ethernet:
1 x Port Ethernet 10 / 100 / 1000

MQA:
Renderer MQA 44.1 to 384 kHz / 32 bits

Supports of protocole:
DLNA/UPnP, Audirvāna, Spotify
Connect, Roon Ready, Deezer, TIDAL
Connect, Qobuz Connect, Bugs,
vTuner



DISPLAY

Size:
7 inches

Resolution:
1024x600

Touch screen

GENERAL SPECIFICATIONS

Power consumption:
48 W

Standby power consumption:
34 W

Operating temperature:
+5°C à +35°C

Operating humidity:
5% à 90%

USB:
1 x Port USB 2.0 (for device update)

Dimensions (LxHxW):
420x120x425 mm (drive)
420x85x425 mm (PSU)

Weight:
13.3 kg (drive)
12.6 kg (PSU)

OPTION

Tube output

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 before shipping the defective unit.

Please note that any of the following conditions will avoid 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+.



Find all the information, as well as the technical sheet and update files, on AQWO 2+ webpage by scanning this code.



A close-up photograph of a grey, metallic-looking surface. The surface has the 'MÉTRONOME' logo and tagline 'LE SON VRAI' engraved on it. The text is in a clean, sans-serif font. A small, circular, metallic-looking button or sensor is visible on the surface.

VIVEZ UNE EXPERIENCE SONORE UNIQUE
LIVE A UNIQUE SENSORY EXPERIENCE

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