



MÉTRONOME
LE SON VRAI

c | A Q W O 2

HYBRID D/A CONVERTER,
STREAMING OPTION
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

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ACCESSORIES

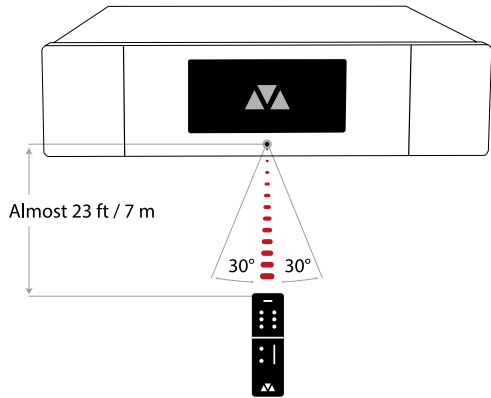
Make sure you find the following accessories inside the box:

				
Power cable	Manual	Remote control	ODU cable	Wi-Fi Antenna

REMOTE CONTROL

Point the remote control at the sensor on the device.

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



STREAMING OPTION

c|AQWO 2 can be purchased with a stream option. This allows the device to be connected to a network via an Ethernet port. This option also includes a USB port for connecting an external storage.

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.

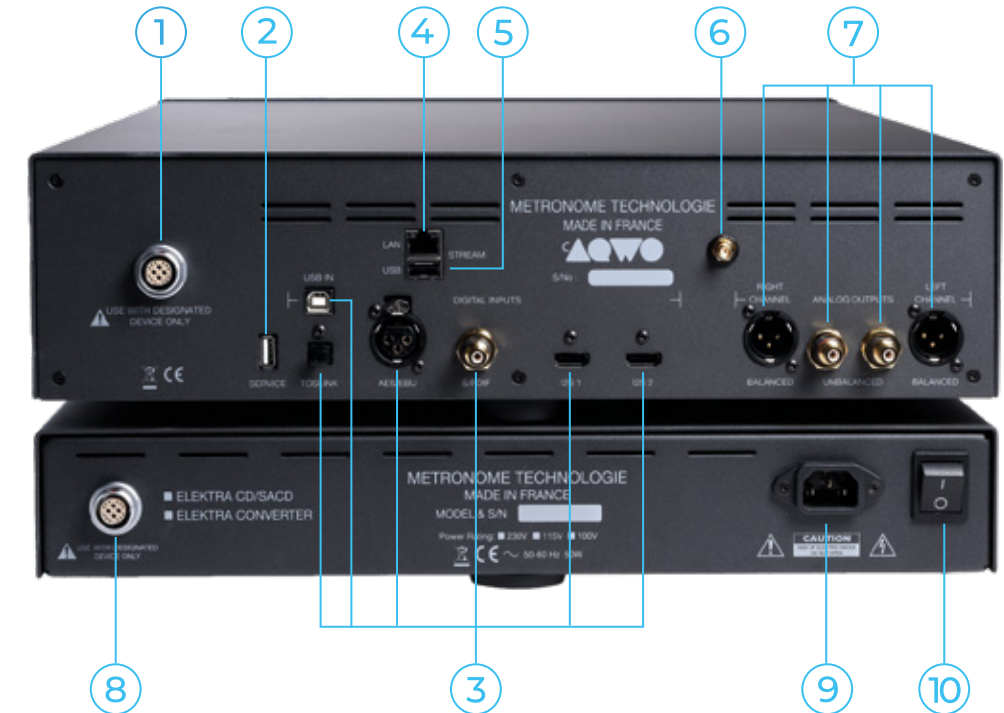
FUNCTIONS

FRONT PANEL



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

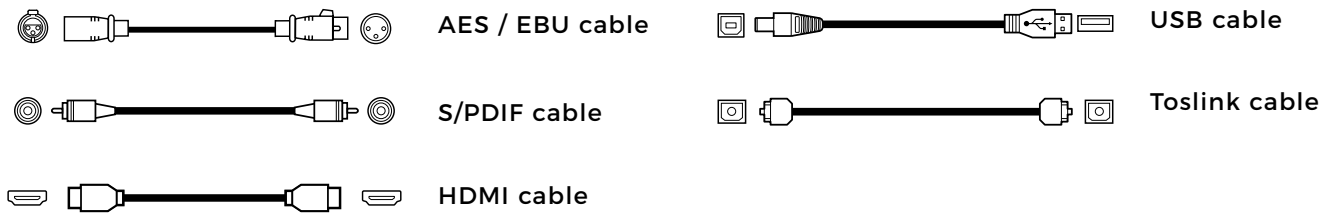
BACK PANEL



- ① Connexion DAC / power supply
- ② USB service: for device update
- ③ Digital inputs: AES/EBU, S/PDIF, USB, Toslink, I2S (x 2)
- ④ RJ45 socket
- ⑤ USB device (streaming option only): connexion for an external USB storage
- ⑥ Antenna socket (streaming option only): connexion for the Wi-Fi antenna
- ⑦ Analog outputs: RCA (x 2), XLR (x 2)
- ⑧ Connexion DAC / power supply
- ⑨ Power supply socket
- ⑩ 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 c|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 A PRE-AMP OR SPEAKERS

You can connect c|AQWO 2 analog outputs to any compatible pre-amp/amp or speakers. This connection can be made using RCA or XLR cable ((7) 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 wifi connection.

CONNECTING THE ODU CABLE

To connect the power supply to the c|AQWO 2, connect the ODU cable to the devices. The cable is included in the package ((8) page 7).

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).

Turn off AQWO 2 after use (O).

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

REMOTE CONTROL - SETTINGS MODE



- 1 Standby: ON / OFF.
- 2 Number 7:
Access / Exit Settings.
Return to previous menu (or enter settings menu if used in main menu).
Settings menu IR control (in SETTINGS mode) IR control commands will be different if you are in the settings menu.
- 3 Number 0: Tubes ON / OFF (available only if device has tubes option).
- 4 Numbers 2, 4, 6, 8: navigation in settings menu.
- 5 Number 5: toggle selected parameter (if possible).
- 6 CD/AMP mode: toggle between CD and AMP mode.
- 7 Up / VOL+: increase the brightness.
- 8 Down / VOL-: decrease the brightness.
- 9 Left arrow: change the input.
- 10 Right arrow: change the input.
- 11 Stop: DAC ESS / AKM.

DEVICE INTERFACE

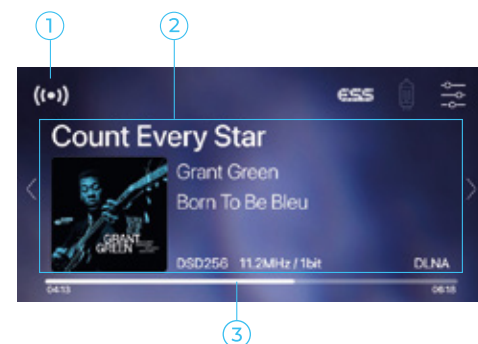
SCREEN INTERFACE

DAC MENU



- ① **Input logo**
Selected input.
- ② **DAC Stage**
Touch: Change DAC mode.
ESS = Use the ESS DAC
AKM = Use the AKM DAC
- ③ **Tube Output (Tube option only)**
Touch: ON / OFF.
White = ON
Grey = OFF
- ④ **Settings button**
Touch: go to menu settings.
- ⑤ **Sample rate**
Actual playback sample rate.

NETWORK MENU



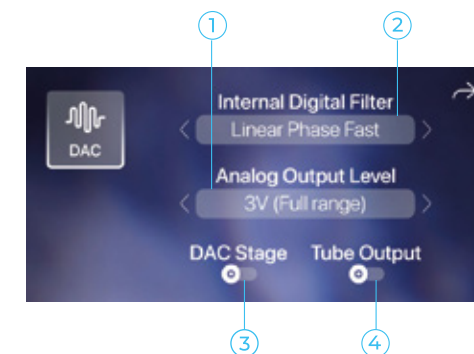
- ① **Input logo**
Filled White: network connected.
Animated logo: connecting to network.
- ② **Metadata information**
Title, Track, Album, Cover Art, Format & Source.
- ③ **Time information**
Current track time info.

SETTINGS - MAIN MENU



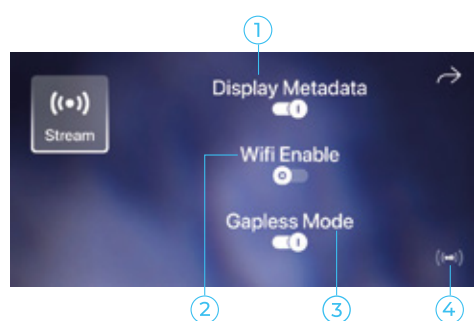
- ① **DAC menu**
Internal digital filter, Analog output level, DAC stage and Tube output.
- ② **Stream menu (streaming option only)**
Display metadata, Wi-Fi enable, gapless mode and streaming option.
- ③ **Display menu**
Screen brightness cursor and background.
- ④ **Other menu**
Device information and restore default settings.
- ⑤ **Return**
Touch: exit the settings menu.

SETTINGS - DAC MENU



- ① **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.
- ② **Internal Digital Filter**
Touch arrows: UP / DOWN.
 - Linear phase fast
 - Linear phase slow
 - Minimum phase
 - Apodizing fast
 - Brick wall
 - Corr. min phase fast
- ③ **DAC Stage**
Touch: ON / OFF.
When ON: use the ESS DAC.
When OFF: use the AKM DAC.
- ④ **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 (if streaming option)



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.

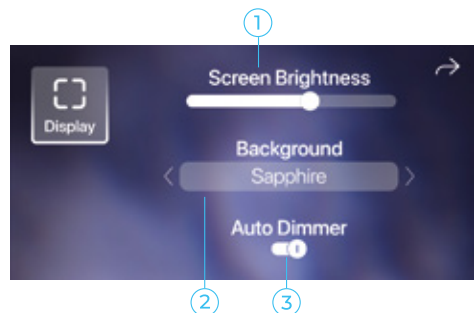
Enable / disable gapless playback functionality.

④ Streaming option

Touch: ON / OFF.

Enable / disable streaming option.

SETTINGS - DISPLAY MENU



① Screen Brightness Cursor

Touch: define brightness with cursor.

② Background

Touch arrow: UP / DOWN.

Change between 5 different backgrounds.

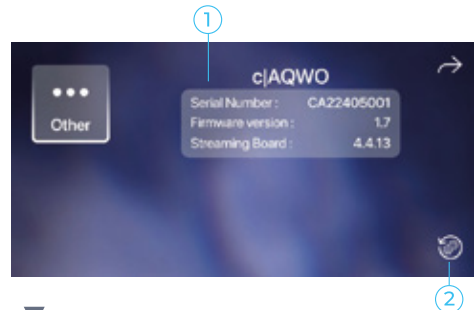
③ Auto Dimmer

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 (streaming option only)

DOWNLOAD MCONNECT

We recommend you use the mConnect *Control* application to enjoy your c|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:



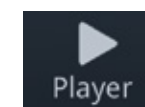
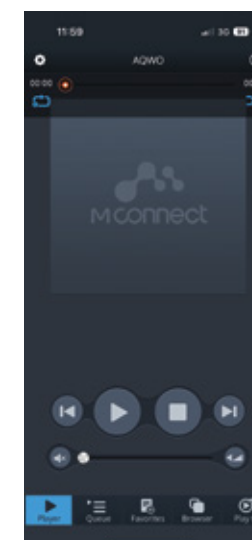
For iPad



For smartphone

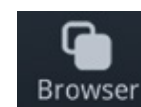
FIRST USE

When you start the application, this interface appears:



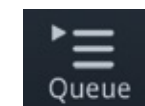
"Player" menu

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



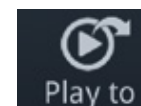
"Browser" menu

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



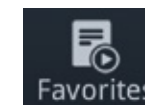
"Queue" menu

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, c|AQWO 2 is automatically detected on the application in the "Play to" menu. Just be sure that your c|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:

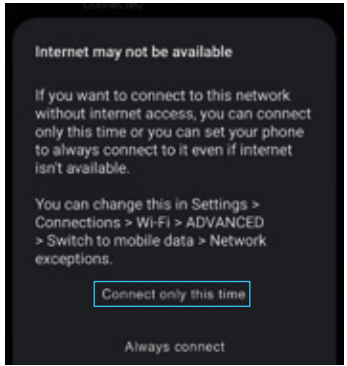
Step 1

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



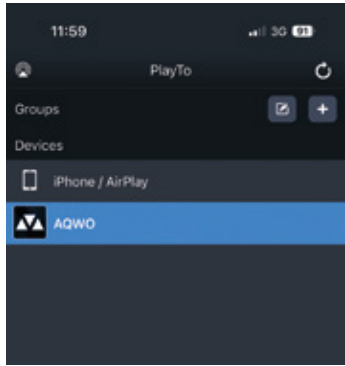
Step 2

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



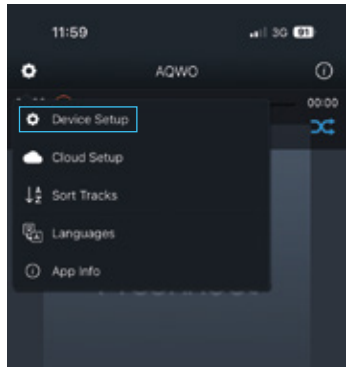
Step 3

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



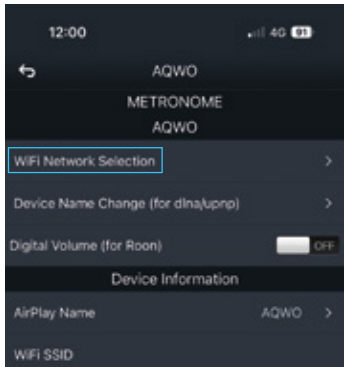
Step 4

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.



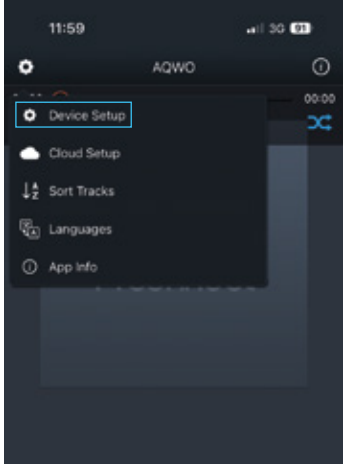
UPDATING THE DEVICE

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:

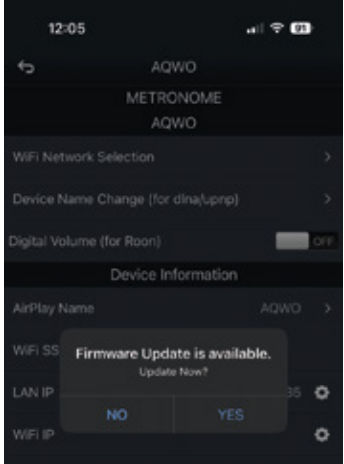
Step 1

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.

TECHNICAL SPECIFICATIONS

CONVERSION PROCESSORS

Reference:

ESS: ES9039MPRO

AKM: AK4499EX

Range:

ESS: High-End

AKM: High-End

THD+N:

AKM: -124 dB

ESS: -122 dB

Dynamic range:

AKM: S/N 135 dB

ESS: 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 INPUTS

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

I2S (x2):

PCM 44.1 to 384 kHz / 32 bits

DSD64 to DSD256 Native

STREAMING (if option)

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:

65 W

Standby power consumption:

45 W

Operating temperature:

+5°C to +35°C

Operating humidity:

5% to 90%

USB:

1 x Port USB 2.0 (for device update)

Dimensions (LxHxW):

420x120x425 mm (drive)

420x85x425 mm (PSU)

Weight:

11.6 kg (drive)

12.8 kg (PSU)

OPTION

Analog tube output

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

WARRANTY

Métronome Technologie guarantees the components of your Métronome® c|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 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 c|AQWO 2.



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

A close-up photograph of a grey, brushed-metal surface. The MÉTRONOME logo and the text 'VIVEZ UNE EXPERIENCE SONORE UNIQUE' and 'LIVE A UNIQUE SENSORY EXPERIENCE' are engraved into the metal. A small, circular, metallic button is visible on the surface.

VIVEZ UNE EXPERIENCE SONORE UNIQUE
LIVE A UNIQUE SENSORY EXPERIENCE

MÉTRONOME TECHNOLOGIE SAS
ZA Garrigue Longue - 166 rue du Castellet
81600 MONTANS - FRANCE

www.metronome.audio
@metronometechnologie
info@metronome.audio
+33(0)5 34 26 11 33