

STARTUP PROCEDURE

DiGiCo Quantum 225

with Waves SuperRack SoundGrid



Begin at front of house with the console covered.

Startup order at a glance

- Power on the Quantum 225.
- Power on the Waves PC and Waves SoundGrid server.
- Wait for the console and Waves computers to finish booting.
- Open SuperRack SoundGrid and load the correct console template.
- Verify all Quantum and Waves status indicators show OK.

1. Power on the Quantum 225



Quantum 225 rear power supplies: verify both INPUT A and INPUT B power cables are fully seated.

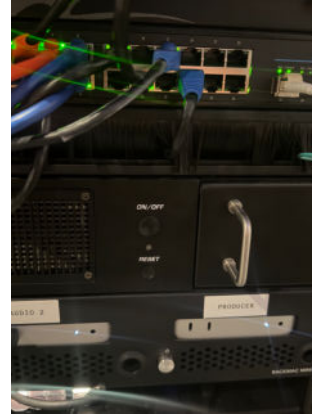
- Power on the Quantum 225 audio console using the 2 power switches on the back of the console under the IEC cables.
- Remove the console dust cover and fold it neatly. Then, place it under the desk.
- Wait for the console, fader displays, and control surface lights to initialize.

2. Power On the Waves PC and SoundGrid Server

After the Quantum 225 is powered on, power on the Waves PC and SoundGrid Server located in the FOH Audio Rack below the Quantum 225.



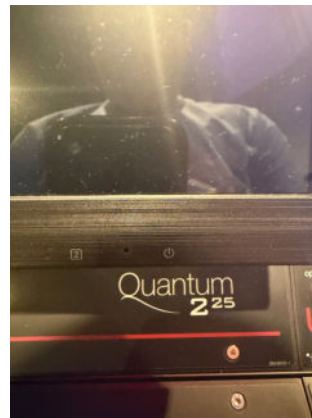
Press the power button on the Waves PC once.



Press the On/Off Button on the SoundGrid Server



Waves Monitor

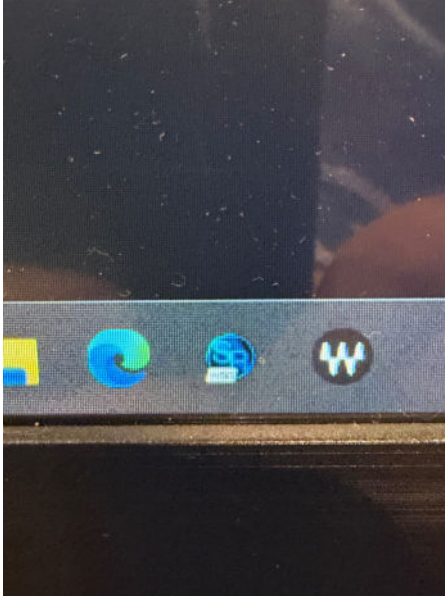


Turn on the Waves monitor by clicking the power icon.

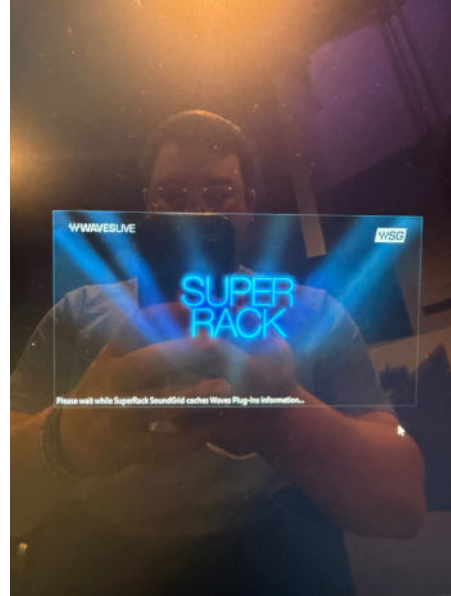
- Press the power button on the Waves PC once.
- Pull out the keyboard and mouse located underneath the soundboard.
- When Windows asks for the password, use the keyboard to enter “production” in all lowercase.
- Turn on the Waves SoundGrid server.
- Press each power button only once. Allow the equipment to boot; do not repeatedly press the button.

3. Start Waves SuperRack SoundGrid and Load Quantum Template.

After the Waves host computer reaches Windows, use the Waves display, keyboard, and mouse.



Select the SuperRack SoundGrid icon on the Windows taskbar.

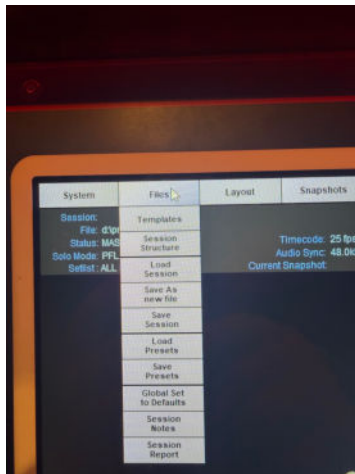


Wait while SuperRack caches Waves plug-in information.

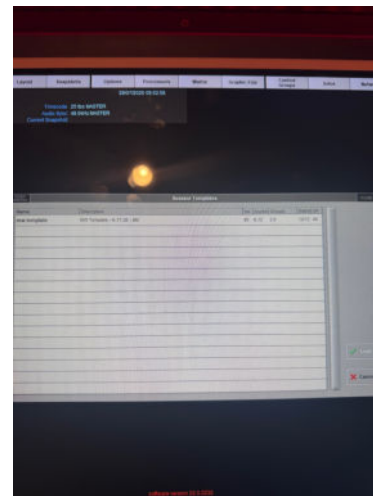
- Open SuperRack SoundGrid only after Windows has completely loaded.
- SuperRack SoundGrid will open a blank session once opened.
- Click the full screen icon on the top right of the application to fill the screen.

Load the Quantum Template

Use the console's Files menu to load the approved starting file. The photos show the template named "mw template."



Open Files, then choose Templates to view the template list.

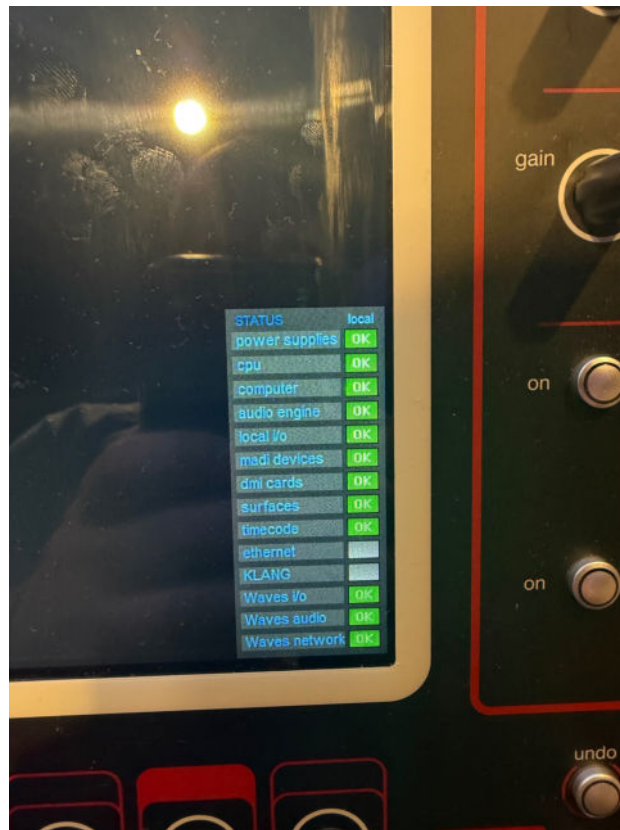


Select “mw template,” then choose Load. Confirm the selection before continuing.

- **Open Files → Templates.**
- **Select “mw template” or the current approved template.**
- **Choose Load and allow the console to finish loading.**
- **Once you load the template on the Quantum 225, it will also load the session on Waves SoundGrid SuperRack**
- **Confirm the expected channel names, routing, snapshots, and fader layout appear.**

CAUTION: Loading a template or session can change routing, gains, mutes, and fader positions.

5. Verify the system status



Quantum status panel: verify Waves I/O, Waves audio, and Waves network all show green OK.

Required status checks

- power supplies — OK
- CPU — OK
- computer — OK
- audio engine — OK
- Local I/O — OK
- MADI devices — OK
- DMI cards — OK
- Surfaces — OK
- timecode — OK
- Waves I/O — OK
- Waves audio — OK
- Waves network — OK

You should now see signal from any active input.

- If you click the VIP layer, you should see QUIPS (spotify), MC1, MC2.
- Unmute or enable the PA only after the console and Waves are connected

Turning PA On

1. Select the L-Acoustics PA Computer

The keyboard and mouse for the stacked Dell monitors are located directly below the stacked monitors.

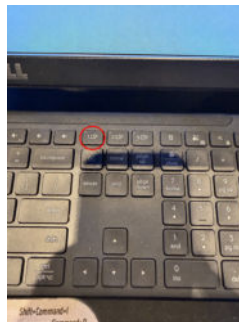
IMPORTANT: L-Acoustics Network Manager is located on the TOP monitor of the stacked monitor pair.



The L-Acoustics PA computer uses the stacked Dell monitors at front of house.



Use the top monitor for L-Acoustics Network Manager. Sign in if a login screen appears. Password is production all lowercase.



Press the top row computer selector key labeled 1. The red circle identifies the correct key.

- Locate the keyboard and mouse directly below the stacked monitors.
- Press the top row computer selector key labeled 1—not the number pad 1.
- Confirm the keyboard now controls the L-Acoustics computer shown on the top monitor.

2. Select the L-Acoustics PA Computer – continued -



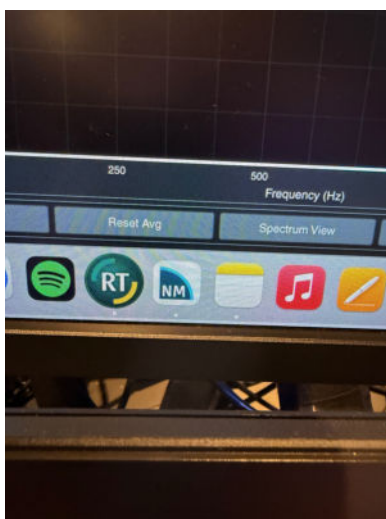
Use the Logitech mouse located below the stacked monitors.



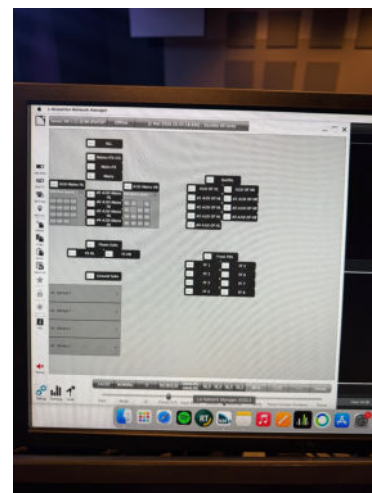
Turn the mouse over and press the circled device selector button until device 1 is selected.

- Turn the mouse over to see the 1 -2 -3 device indicators.
- Press the circled Easy Switch button until the indicator under 1 is illuminated.
- Turn the mouse upright and confirm it controls the pointer on the top monitor.
- The keyboard selector and mouse selector must both be set to device 1.

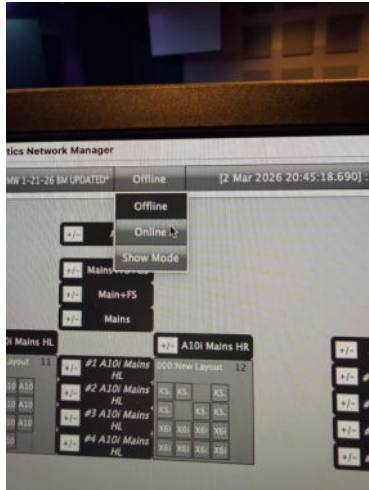
3. Open L-Acoustics Network Manager



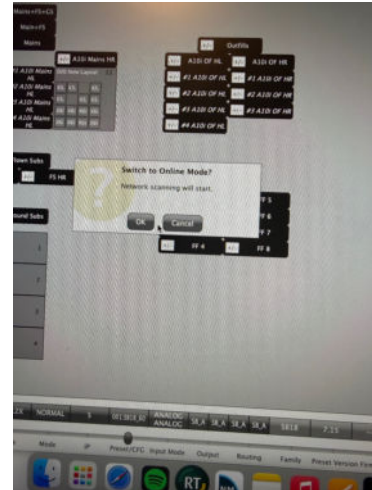
Click the NM icon in the macOS Dock to open Network Manager.



Confirm the correct PA session opens.



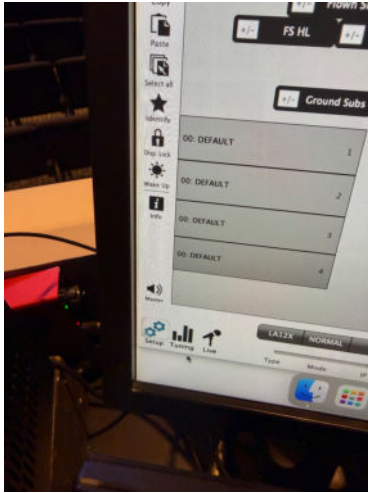
Click Offline at the top of Network Manager, then choose Online.



When “Switch to Online Mode?” appears, click OK to begin network scanning.

- Wait for Network Manager to scan the network and connect to the amplifiers.
- Confirm the top status changes from Offline to Online.

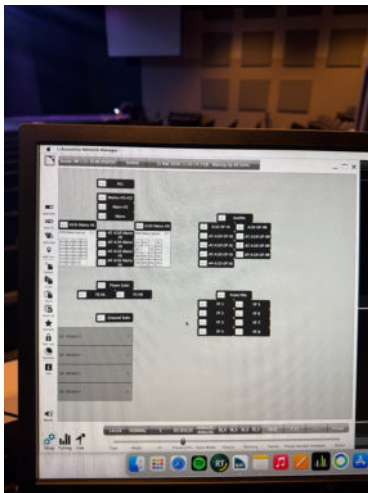
Wake Up and Unmute the L-Acoustics Amplifiers



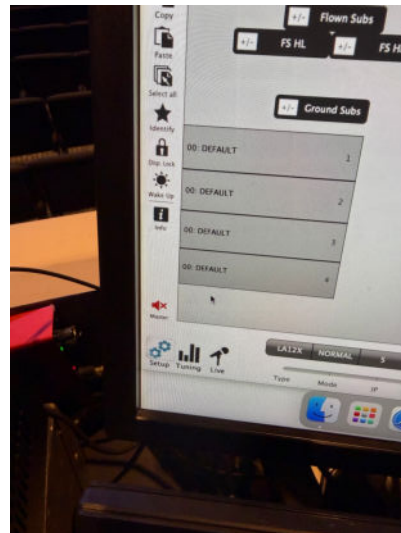
With Network Manager Online, click Wake Up on the left side of the Setup screen.



At “Wake Up All Amplifiers?” click OK.



Wait while the top status reports “Waking Up All Units.”



Once woken up, click Master to unmute the PA. The red should go away, and the icon will change to full volume.

When Wake Up changes to Standby, the amplifiers are awake. Do not click Standby.

Final PA checks

- Confirm the left side control now reads Standby, which indicates the amplifiers are awake.
- Check that all expected amplifier groups are present and no units show an error.

READY: The L-Acoustics PA is on when Network Manager is Online, the amplifiers are visible without errors, and the left control reads Standby.

Shutdown Procedure

DiGiCo Quantum 225

with Waves SuperRack SoundGrid and L-Acoustics PA



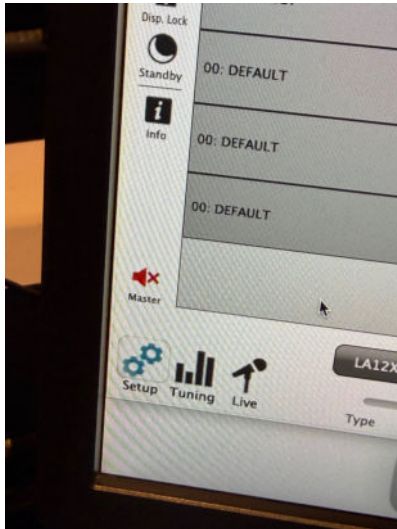
Begin only after the gathering or event has ended and the system is no longer in use.

Shutdown order at a glance

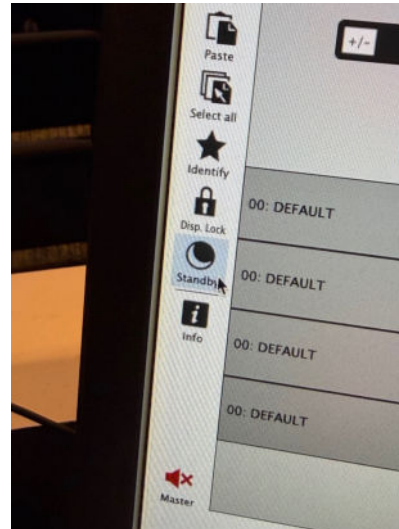
- Mute the PA, place the L-Acoustics amplifiers in Standby, and take Network Manager Offline.
- Save the current Quantum 225 session.
- Close SuperRack, shut down the Waves PC, and power off the SoundGrid server.
- Turn off both Quantum 225 rear power supplies, then cover the console.

9. Place the L-Acoustics Amplifiers in Standby

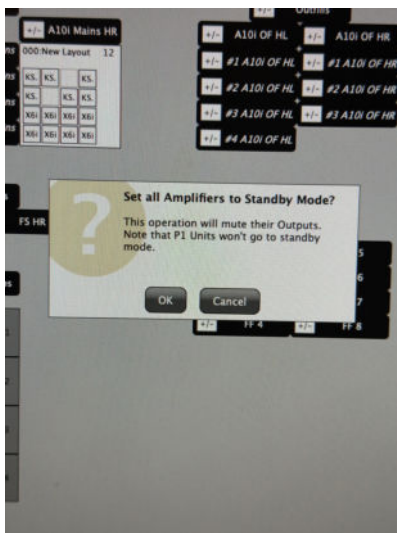
BEFORE CONTINUING: Make sure all audio from the console is turned down. Confirm the red Master mute icon is displayed before placing the amplifiers in Standby.



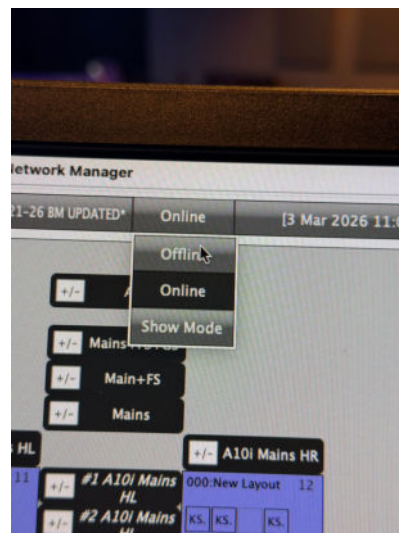
Confirm the Master icon is red with an X. This indicates the L-Acoustics master output is muted.



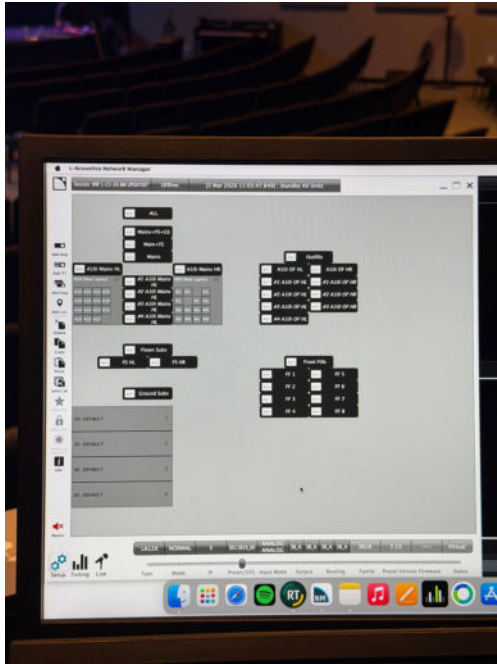
On the TOP stacked monitor, click Standby on the left side of L-Acoustics Network Manager.



At "Set all Amplifiers to Standby Mode?" click OK. This mutes the amplifier outputs.



After the amplifiers enter Standby, click Online at the top and select Offline.

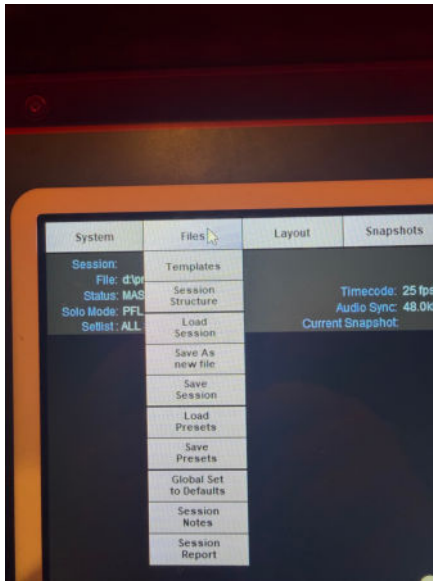


This is how L-Acoustics Network Manager should look once previous prompts are followed.

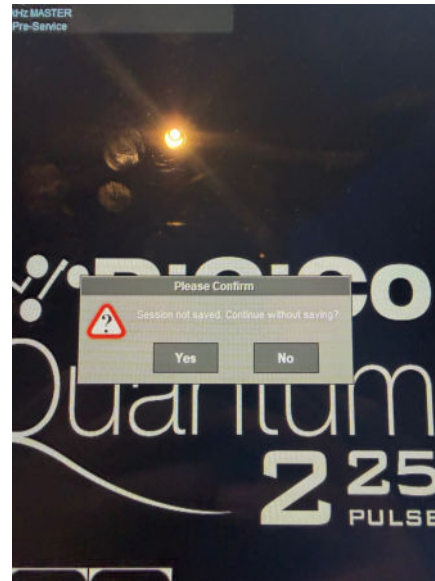
- Confirm the top status has changed from Online to Offline.
- Confirm the left side control reads Wake Up, indicating the amplifiers are in Standby.
- Do not shut down the L-Acoustics Mac unless instructed to do so.

L-ACOUSTICS SHUTDOWN COMPLETE: The PA amplifiers are muted, in Standby, Network Manager is Offline.

10. Save the Quantum 225 Session



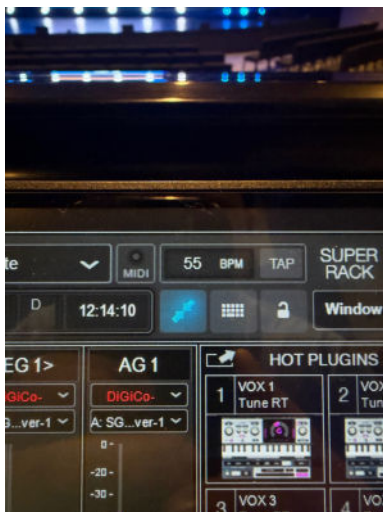
Open Files and select Save Session before shutting down the console.



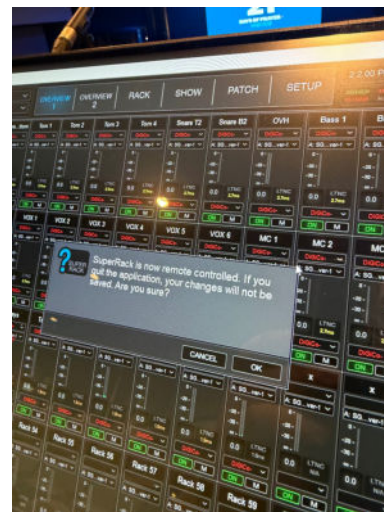
If this warning appears, click No, return to the console, and save the session first. If you're not making any changes on the console, don't save the session.

- Open Files and select Save Session.
- Wait for the save to finish before closing Waves or shutting down the console.
- If “Session not saved” appears during shutdown, click No and save the session.

11. Shut Down Waves and the SoundGrid Server



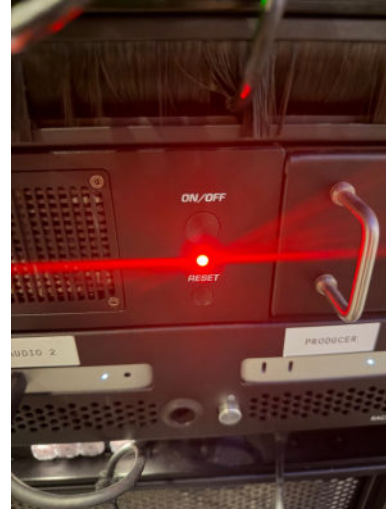
On the Waves display, click the blue icon to exit full screen mode and close the SuperRack application.



When the remote control warning appears, confirm the Quantum session is saved, then click OK.



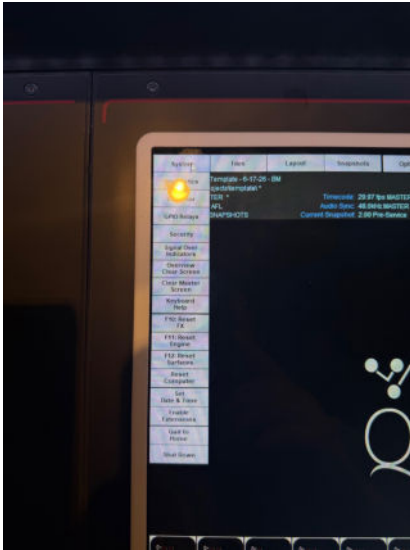
*Open the Windows power menu and select Shut down.
Wait until the Waves PC is fully off.*



*After the Waves PC is off, press and hold the ON=OFF
button on the SoundGrid server.*

- **Do not repeatedly press the SoundGrid server button.**
- **Wait for the server lights and fans to stop before continuing.**
- **Leave the Waves monitors off after the PC and server have shut down.**

12. Shut Down the Quantum 225



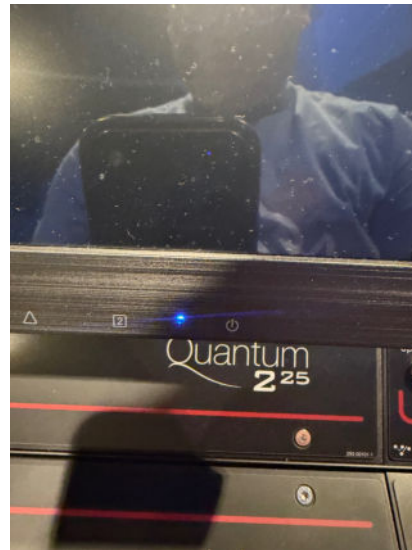
On the console, open System and select Shut Down.



At "Are you sure you want to switch off?" select Yes.



When POWER OFF NOW appears, turn both rear power supply switches off.



Wait until the console screens are completely black. Turn off the Waves computer monitor by clicking the power icon. The blue LED should go away.

WAIT: Do not switch off either rear power supply until POWER OFF NOW appears.

13. Turn Off the Rear Power Supplies and Cover the Console



After POWER OFF NOW appears., switch off both rear power supplies: INPUT A and INPUT B.



Replace the DiGiCo cover on the console.

- Switch off both rear power supply switches under INPUT A and INPUT B.
- Confirm the Waves PC, SoundGrid server, Quantum 225, and PA amplifiers are off or in Standby.
- Place the cover over the console and return the keyboard and mouse to their normal location.

SHUTDOWN COMPLETE: The PA is in Standby, Waves and SoundGrid are off, both Quantum 225 power supplies are off, and the console is covered.