

SHURE®

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Wireless Workbench 6

Desktop Wireless Control App



Shure Wireless Workbench 6 Software

Wireless Workbench® 6 (WWB6) is a free desktop application for Mac and Windows that unlocks the full potential of your wireless systems. WWB6 brings comprehensive monitoring and control of networked Shure wireless systems to your computer, allowing real-time changes to device and channel parameters. Also included are a powerful set of frequency coordination and visualization tools for calculating compatible frequencies for all wireless systems, including those from other manufacturers. WWB6 facilitates quick and easy configuration, operation, and monitoring of your wireless systems, and is compatible with the following Shure networked systems:

- QLX-D® Digital Wireless System
- ULX-D® Digital Wireless System
- PSM® 1000 Personal Monitoring System
- UHF-R® Wireless System
- Axient® Wireless Management Network



Step 1: Downloading Wireless Workbench 6

A free download of Wireless Workbench 6 is available at <http://www.shure.com/wwb>. Launch the installer and follow the steps to complete the installation.

Note: You must be logged in as an administrator in order to install Wireless Workbench.

Wireless Workbench Help and Resources

Wireless Workbench 6 includes comprehensive help topics and how-to instructions for specific features.

In addition, you can find the following resources for Shure wireless products at Shure.com:

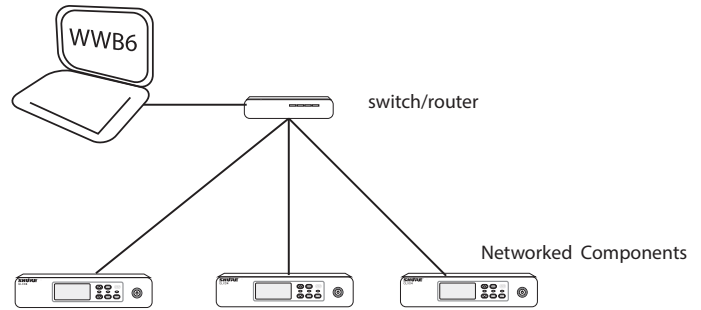
- [Wireless Workbench 6 Forum](#)
- [User Guides for Shure Products](#)
- [Answers to Frequently Asked Questions](#)
- [Release Notes](#)
- [How-to Videos](#)

Step 2: Network Connection

Wireless Workbench 6 communicates with connected components through an Ethernet network. Each component on the network must have a unique and valid IP address assigned to ensure communication. IP addresses can be assigned automatically by your computer, switch, or router that employs DHCP addressing.

To take advantage of DHCP addressing, Shure components have an automatic IP mode for quick and easy set up. If specific IP addresses need to be assigned, the IP mode can be set to manual.

- **Step 1:** Connect your computer and components using CAT5 or better Ethernet cable. For multiple device systems, adding a router or switch as shown in the diagram is recommended. Avoid using cross-over cables for any connections.
- **Step 2:** Turn on your computer and all components connected to the network.
- **Step 3:** For each component, enter the network menu and set the IP address mode to Automatic to enable automatic IP addressing. [Model-specific instructions](#) for accessing the network menu are available at Shure.com.



Manual IP Addressing Option

As an alternative to automatic IP addressing, a manual addressing option is available if you want to assign specific IP addresses to your components.

- **Step 1:** Connect your computer and components using CAT5 or better Ethernet cable. Adding a router or switch as shown in the diagram is recommended instead of using a daisy-chained connection for multiple component systems.
- **Step 2:** Turn on your computer and all components connected to the network.
- **Step 3:** For each component, enter the network menu and set the IP address mode to Manual. [Model-specific instructions](#) for accessing the network menu are available at Shure.com.
- **Step 4:** Assign unique IP addresses to each component. Assign the identical subnet mask to all components.

Step 3: Firewall Configuration

If you have a firewall protecting your computer, you'll need to grant access to Wireless Workbench 6. Log-in to your computer as an administrator to gain full access to your firewall settings or contact your IT administrator for assistance.

For third-party firewall software, refer to the manufacturer's instructions for granting access to each instance of an application (there may be more than one instance).

Note: If you receive an alert pop-up that blocks Workbench, check the boxes to allow access for all networks (Domain Networks, Private Networks, and Public Networks).

Mac

1. From System Preferences, access firewall settings.
2. If the firewall is on, open the Firewall Options to view the applications that request network access.
3. For each of the following applications, select Allow Incoming Connections:
 - Wireless Workbench 6.app
 - snetDameon

Windows

1. Open the Windows Firewall on your computer.
 - Tip:** Type "Allowed Programs" into the Start menu search window to quickly access the firewall settings.
2. Place a check in all boxes next to each instance of an application of the following applications (there may be more than one) to allow access to Domain Networks, Private Networks, and Public Networks:
 - snetDameon
 - wireless workbench 6

Refer to the Microsoft website if you need additional help with firewall configuration.

Step 4: Selecting a Network Interface

The first time you open Wireless Workbench, you will be prompted to select a Network Interface to communicate with your networked components.

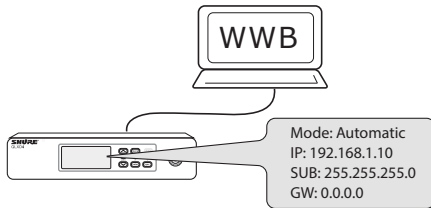
1. Open Wireless Workbench 6.

Tip: Use the following path to access network settings if the prompt does not appear:

- Windows: Tools > Preferences > Network Tab
- Mac: WirelessWorkbench6 > Preferences > Network Tab

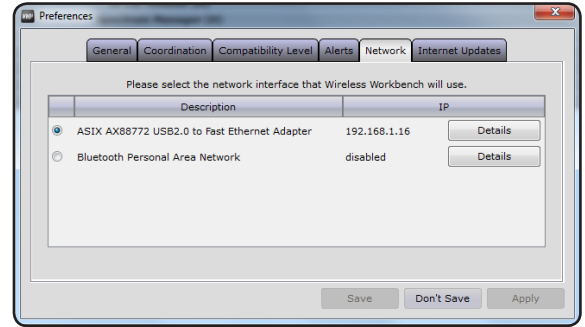
2. In order to select the correct interface, open the IP menu on any networked component and take note of the assigned IP address. [Model-specific instructions](#) for accessing the network menu are available at Shure.com.

In the example shown, the IP address for the component is: **192.168.1.10**



3. Compare the IP address assigned to the component to the available IP addresses listed in to the Network Selection window. Choose the network that closely matches the numbering order and format of the IP address of the component (192.168.1 in this example). Select Save to finish.

Note: The last few numbers will not match exactly.

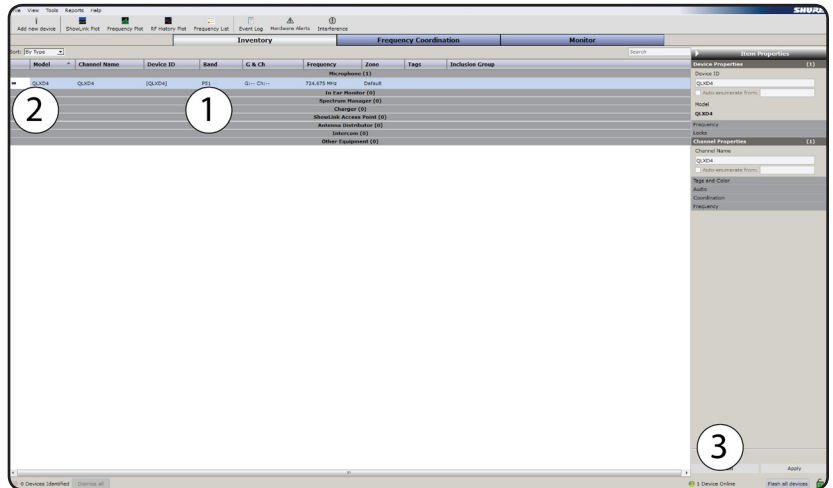


Checking Your Connection

Once you have selected a network interface, confirm connectivity by checking for the network icon on the display or front panel of each component.

Components connected to the network will automatically appear in the Inventory Tab. Open the Inventory Tab and perform the following checks to verify connectivity:

- 1 View the Device ID, ChannelName, and other parameters.
- 2 Click on a component icon to flash the front panel of the device for remote identification.
- 3 The Device Online indicator should be green and the number of devices listed should match the number of components connected to the network.

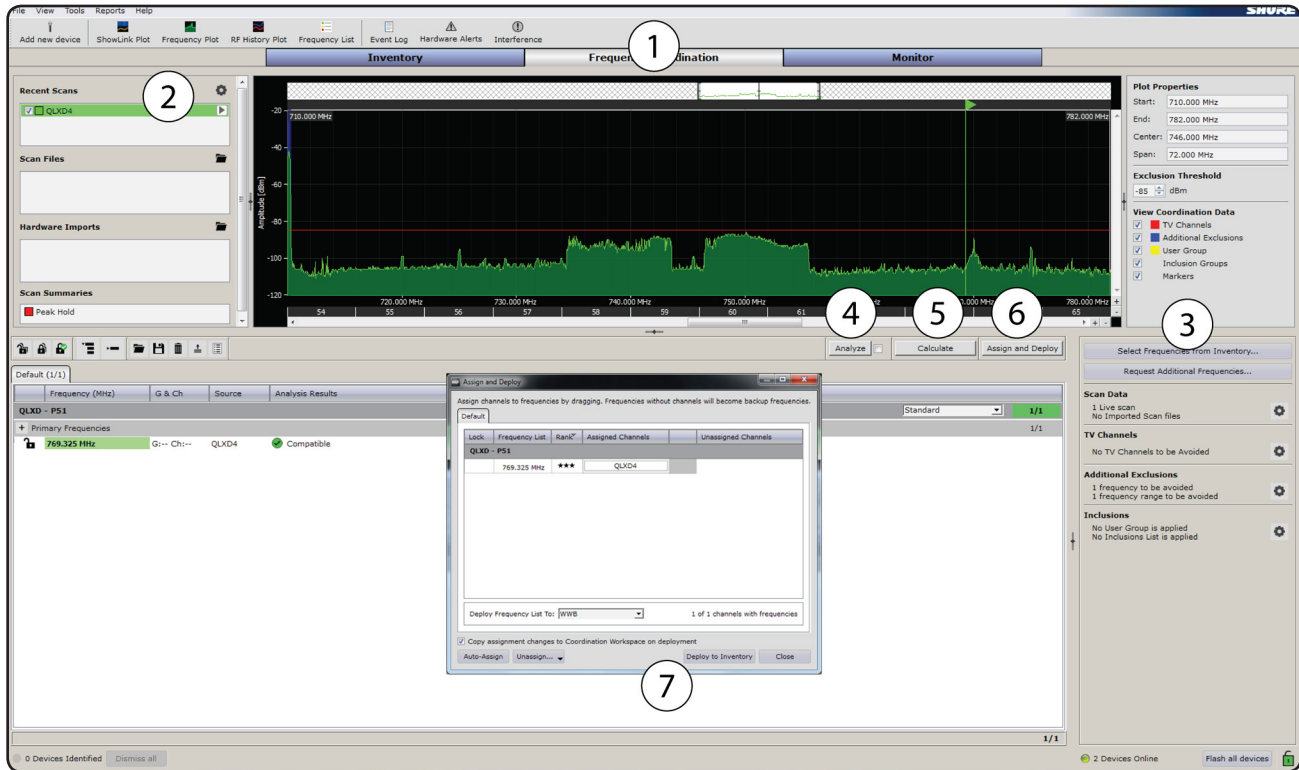


Symptom	Solution
Network icon doesn't appear on component display.	Check all cables and connections.
Component doesn't appear in Inventory tab.	Check IP address to verify that component is on the same network as the computer network. Select Reports > Firmware and Network Summary for a report of the IP addresses of your computer and any discovered devices.
Online Device Indicator is gray.	Verify that the IP address of the selected Network Interface shown in Network Preferences corresponds with the IP addresses of your networked components.

Step 5: Managing Frequencies in the Coordination Workspace

The Coordination Workspace within the Frequency Coordination Tab lets you organize, manage, and calculate compatible frequencies for your system. As part of the coordination, you can analyze the frequencies to make sure they are compatible with all the components in your system and then deploy them to your hardware.

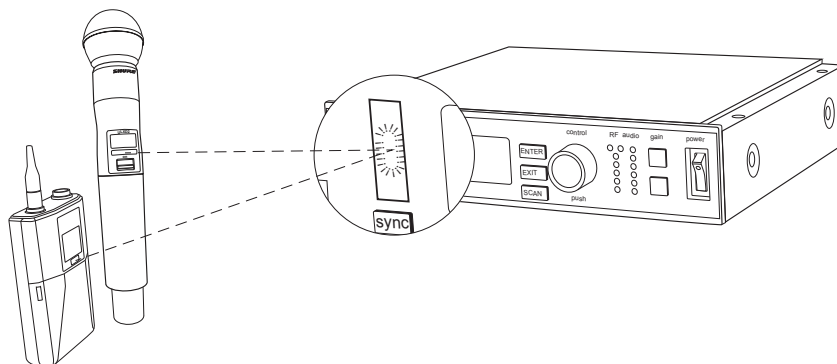
- 1 Select the Frequency Coordination Tab.
- 2 Select the gear icon in the Recent Scans area and select a receiver to perform a spectrum scan. Select Start.
- 3 Click Select Frequencies from Inventory, and with All from Inventory selected, click OK to bring frequencies into the Coordination Workspace.
- 4 Analyze checks the compatibility of the current frequencies.
- 5 Calculate finds compatible frequencies for all unlocked entries.
- 6 Assign and Deploy previews the assignments of channels and frequencies.
- 7 Deploy to Inventory sends the frequencies to the components.



Step 6: Setting the Transmitter Frequency using IR Sync

Performing an IR sync automatically tunes the portable device to the same frequency that was deployed to the networked component. When the IR sync is complete, a wireless audio channel is formed between the receiver and transmitter.

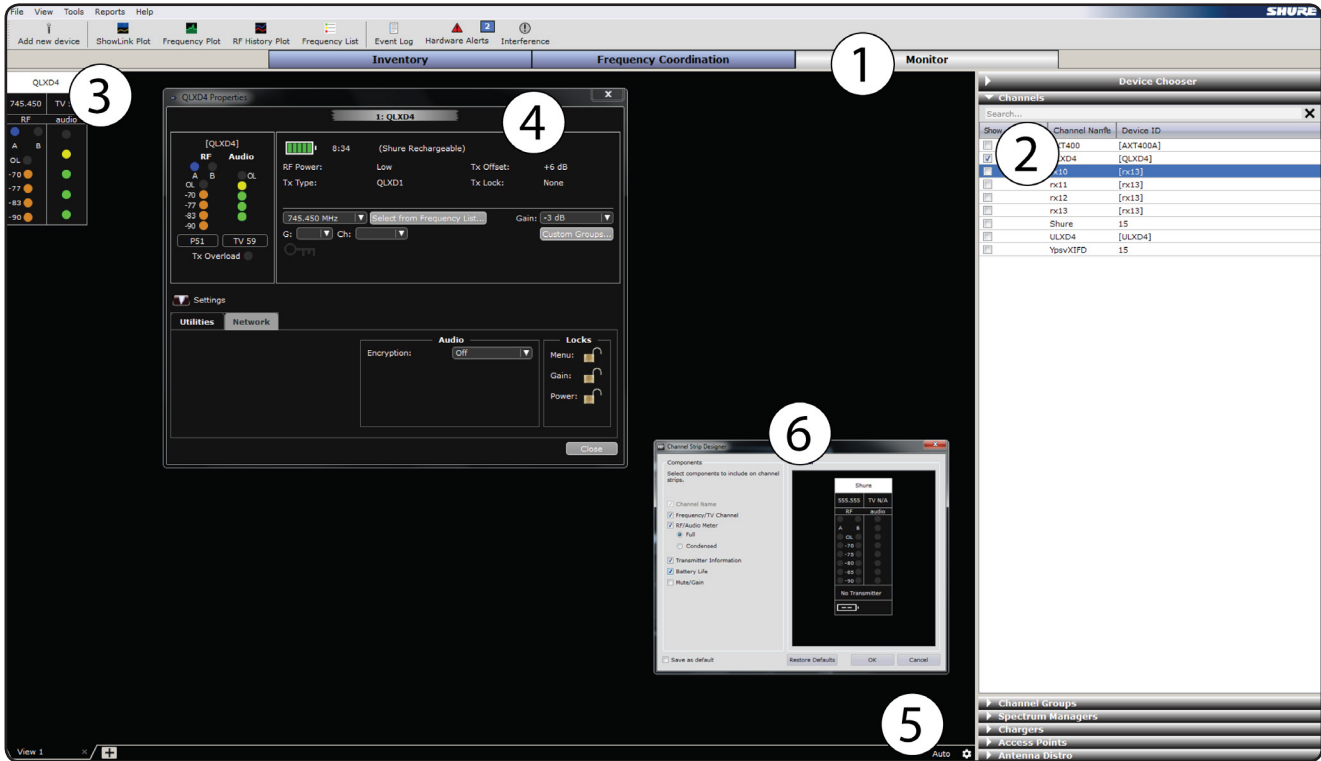
Align the IR sync windows of the portable device and networked component, and then press the sync button or access the sync menu. Refer to the component user guides for additional details about IR sync for your model of transmitter and receiver.



Step 7: Controlling and Monitoring Your System

The Monitor tab allows you to add channels strips to monitor the components in your inventory. Each channels strip displays RF and Audio meters, along with options to adjust parameters in real-time.

- 1 Select the Monitor tab.
- 2 Add channel strips by selecting or dragging a channel from the Channels section.
- 3 Right-click on the channels strip to view configuration options.
- 4 Double-click on a channel strip to view the properties panels, showing detailed device parameters.
- 5 Select the Arrange Mode button (default is Auto) to change the channel strip arrangement options.
- 6 To customize the channel strips, right-click on a blank area of the view to open the Channel Strip Designer.



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