



PUNQTUM Q110 Series Network Based Intercom System Software User Manual

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PUNQTUM Q110 Series Network Based Intercom System Software



Product Information

- **Specifications:**

- **Product Name:** punctum Q-Series Network-Based Intercom System
- **Software Version:** 2.1
- **Power Source:** PoE (Power over Ethernet)
- **Display:** Sunlight-readable, dimmable RGB colour displays
- **Compatibility:** Mac and Windows operating systems

Product Usage Instructions

- **About punctum Q-Series Digital Partyline Intercom System**

- The punctum Q-Series system allows for multiple party-line intercom systems to share the same network infrastructure.
- This enables the creation of production islands within a campus using the same IT network.
- Beltpacks can be powered by PoE and daisy-chained to reduce wiring efforts.
- The system provides excellent readability with dimmable RGB colour displays.

- **Software Installation**

- **Q-Hub**

- Q-Hub serves as your source for news, updates, and firmware for all Q-Series devices.
 - It runs in the background, downloading updates even when offline. Access Q-Hub from the menu bar on Mac or the taskbar on Windows.

- **Q-Tool**

- Q-Tool is the configuration software for your Q-Series system, allowing for system setup and management.

- **Q-Tool Usage**

- **Basic Workflow Setting Up a New Punctum Intercom System**

- **To set up a new system configuration:**

- Open a new (blank) system configuration or save the factory default configuration under a new name.
 - The name of the system configuration is displayed in the title bar of the Q-Tool window.

FAQs

- **Q: How many devices can be connected to the punctum Q-Series Intercom System?**

- **A:** The number of devices such as Beltpacks, Speaker Stations, and Wireless Apps is theoretically infinite but limited by the network capacity.

- **Q: How do I update firmware for Q-Series devices?**

- **A:** You can update firmware through Q-Hub, which downloads updates in the background and allows for offline updates.

Preface

Welcome to the punctum digital intercom family!

- This document provides detailed information about the punctum Q-Series digital party line system and configuration options.

NOTICE

- This manual, as well as the software and any examples contained herein, are provided “as is” and are subject to change without notice. The content of this manual is for informational purposes only and should not be construed as a commitment by Riedel
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Information

Symbols

The following tables are used to indicate hazards and provide cautionary information with the handling and use of the equipment.



- This text indicates a situation that needs your close attention. It may also be used to alert against unsafe practices.



- This text is for general information. It indicates the activity for ease of work or better understanding.

About punctum Q-Series Digital Partyline Intercom System

- punctum Q-Series digital party-line intercom system is a digital, easy-to-use, full-duplex communications solution for theater and broadcast applications as well as for all kinds of cultural events like concerts, etc.
- It is an all-new, network-based party-line intercom system that combines all standard partyline system features including wireless access and more with the advantages of modern
- IP networks. punctum Q-Series works on standard network infrastructure and is easy to install and set up. The system works “out of the box” with a factory default configuration but can be quickly configured by user-friendly software to meet individual needs.
- The system is completely decentralized. There is no master station or any other central point of intelligence in the whole system. All processing is handled locally in each device except for the punctum wireless Apps which require a punctum Q210 PW
- Speaker Station to serve as a bridge to the Q-Series digital party line intercom system. The capacity of one party line intercom system is set to a maximum of 32 channels, 4 program inputs, up to 4 public announce outputs and 32 control outputs. Each punQtum Q210 PW Speaker Station serves up to 4 punQtum Wireless App connections. punctum Q-Series digital party line systems are based on Roles and I/O settings to ease the use and administration of party line intercom systems.
- A Role is a template for the channel configuration of a device. This allows channel settings and alternate functions to be predefined for different Roles needed to run a live show. As an example, think of the stage manager, sound, light, wardrobe and security personnel having different communication channels available to deliver a perfect job.
- An I/O setting is a template for the settings of the equipment connected to a device. This, for example, allows I/O settings to be available for different Headsets being used at a venue to cover different environmental situations. Each device can be configured to any Role and I/O setting available.
- Multiple punctum party-line intercom systems can share the same network infrastructure. This allows for the creation of production islands within a campus using the same IT network infrastructure. The number of devices (Beltpacks/Speaker Stations and Wireless Apps) is theoretically infinite but limited by the network capacity. Beltpacks are powered by PoE, either from a PoE switch or from a Speaker Station. They can be daisy-chained to reduce wiring efforts on site.
- Beltpacks and Wireless Apps support the simultaneous use of 2 channels with separate TALK and CALL buttons as well as one rotary encoder for each channel. An alternate page button allows the user to quickly reach alternate functions such as public announce, Talk To All,
- Talk To Many, to control general purpose outputs and access system functions like Mic Kill asf. The Beltpack is designed with a combination of premium materials, including high-impact plastics and rubber to make it both tough and comfortable to use in any situation. punctum Q-Series Beltpacks, Wireless Apps and Speaker Stations allow users to replay missed or not understood messages. Program input signals can be fed into the

system using an analog audio input at any Speaker Station.

Sunlight-readable, dimmable RGB colour displays used for Beltpacks and Speaker Stations make for excellent readability of the intuitive user interface.

Software Installation

- Q-Tool is available for download for MacOS Big Sur, Ventura, Sonoma and Windows 10 and 11.
- Running Q-Tool on older operating system versions may work but is not supported.
- Get your copy of Q-Tool from our website: <https://pungtum.com/q-tool/> and run the installer.
- 2 parts will be installed:

Q-Hub

- Q-Hub is your source of news, updates for Q-Tool and new Firmware for all Q-Series devices.
- Q-Hub runs in the background and downloads news and updates to your device as soon as they become available.
- This enables you to update your Q-Series Intercom System even if you are offline or have no connection to the internet otherwise.
- You can access Q-Hub from the menu bar of your Mac or the taskbar of Windows.

Q-Tool

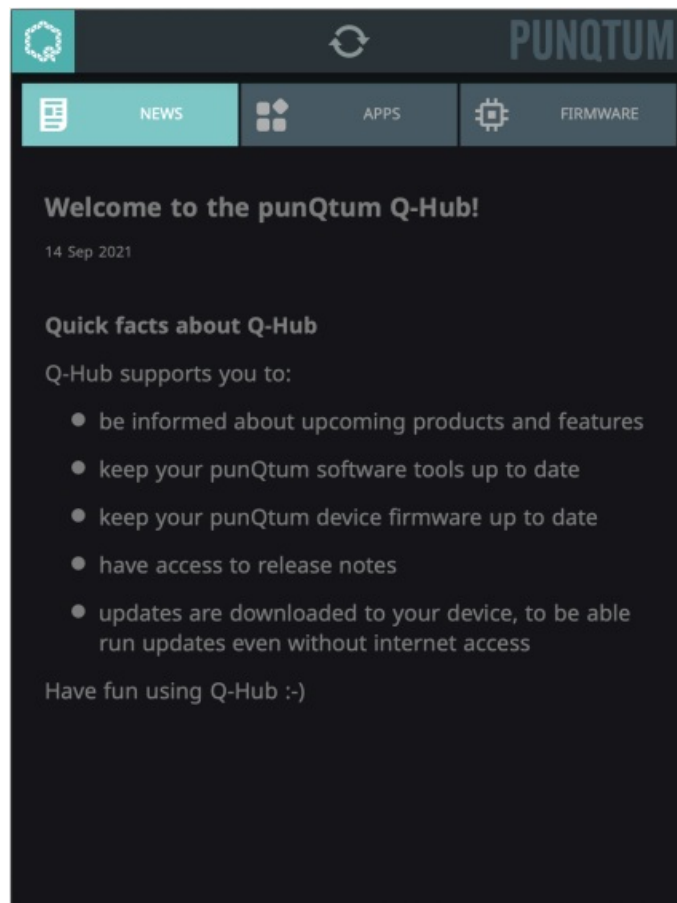
- Q-Tool is the configuration Software for your Q-Series Intercom System and allows for configuration and management of your Q-Series Intercom Systems.

Q-Hub

- Q-Hub is your source of news, updates and firmware for all Q-Series devices and tools.
- Operation is simple:

News Tab

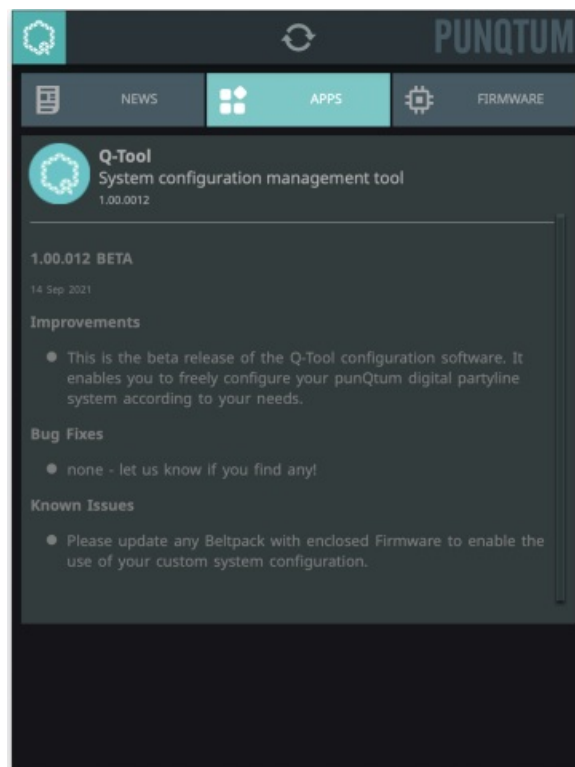
- Q-Hub contains a news channel covering Q-Series Intercom System's upcoming features and products.



Apps Tab

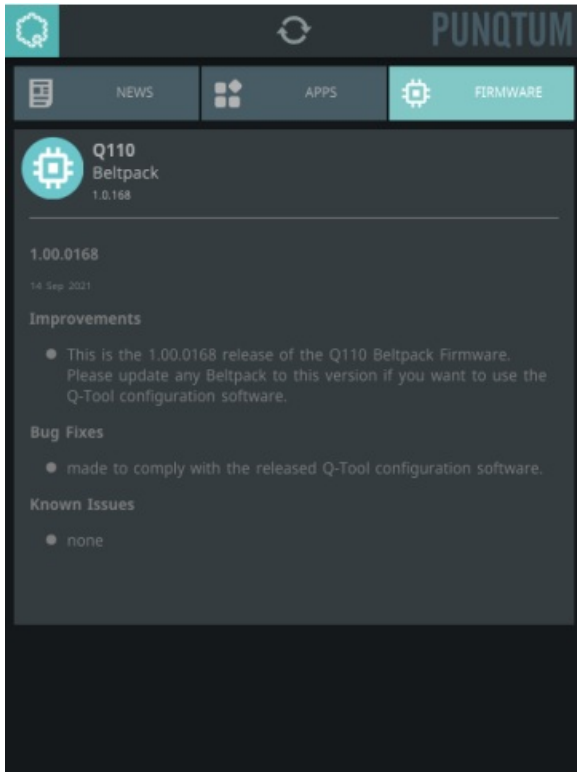
The apps tab provides the following options:

- Start Q-Tool out of Q-Hub.
- Update Q-Tool out of Q-Hub if a new version is available.
- Review release notes of Q-Tool versions.



Firmware Tab

- Q-Hub makes device firmware updates available to Q-Tool. Review release notes [here](#).



Q-Tool

• Basic workflow setting up a new punctum Intercom System

- Open a new (blank) system configuration or save the factory default configuration under a new name as a starting point.
- The name of the system configuration you work on is displayed in the title bar of the Q-Tool window.
- Depending on your selections, the options offered in the workflow depend on your choices made previously.
- Thus, you will not see configuration options for features you do not plan to use.

Define your system settings:

The following operations can be done without having devices connected to your network! Work your way through the tabs from left to right:

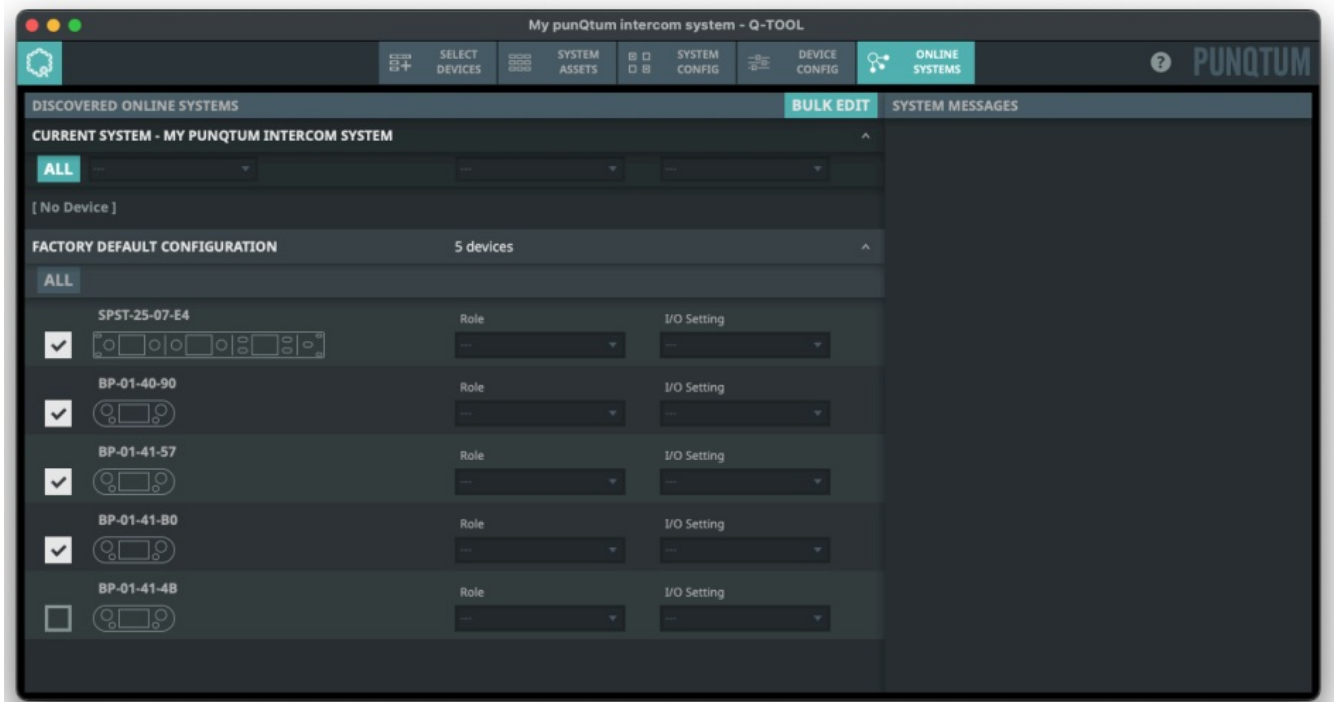
1. Select the devices and their features to be used in your System (not shown if you use Q110 Beltpacks only)
2. Choose and name assets to be used in your system
3. Configure your system assets
4. Add and define roles and I/O settings for the devices in use

Add devices to your system

This step requires Q-Tool to be connected to the same network you operate your punQtum devices in.

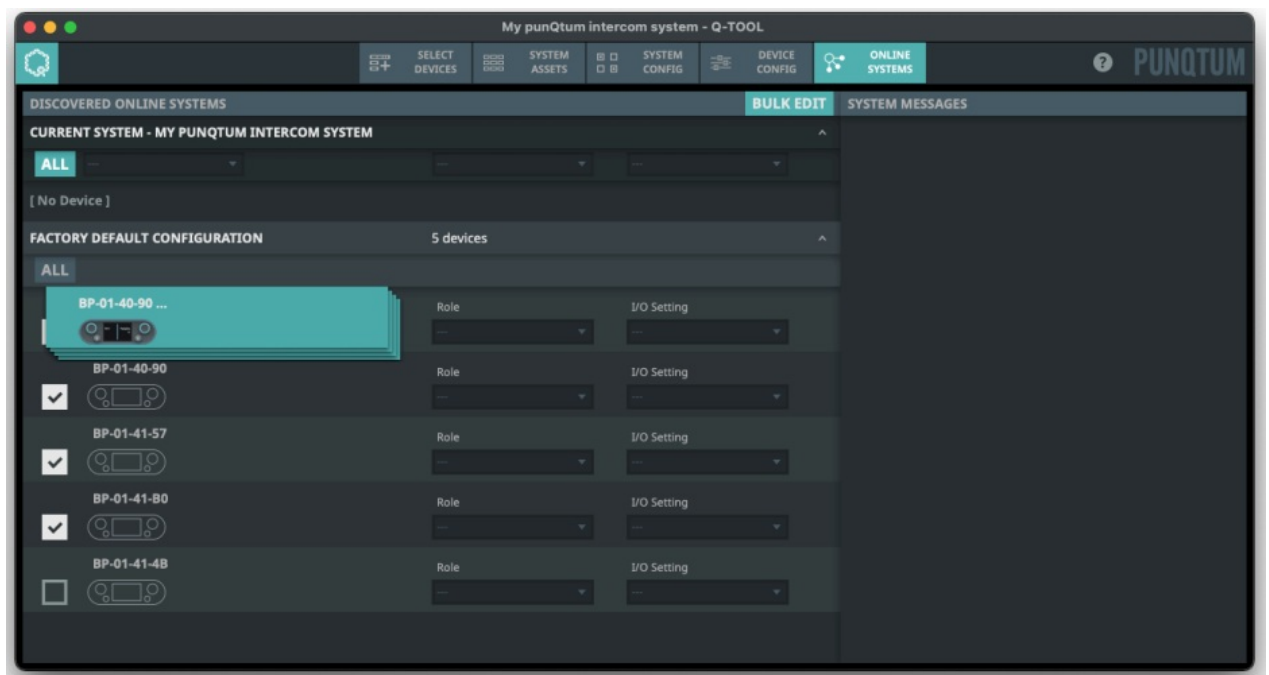
1. Change to the 'Online Systems' tab to see your connected devices
2. Select the devices you want to move using bulk edit mode. Single devices are moved the same way without

using bulk mode.

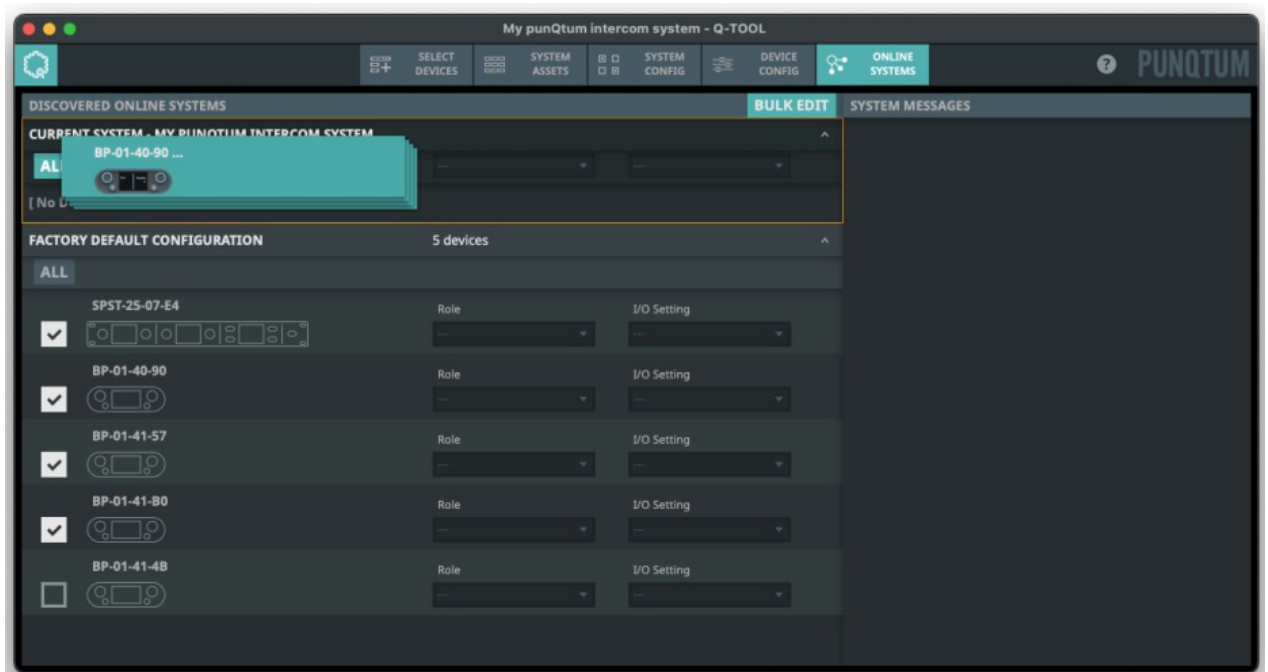


3. Drag and drop the devices you want to use in your system into the 'current system' section in the 'online systems' tab:

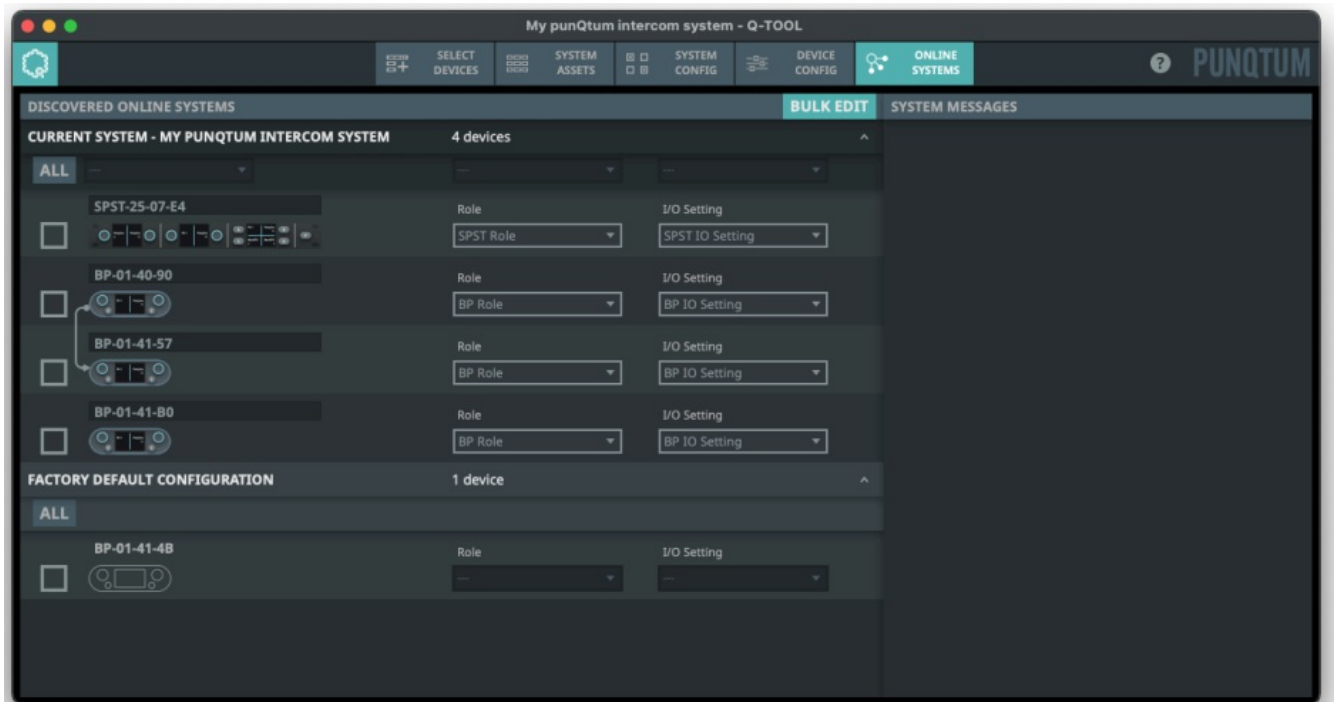
- **Drag:**



- **Drag:**

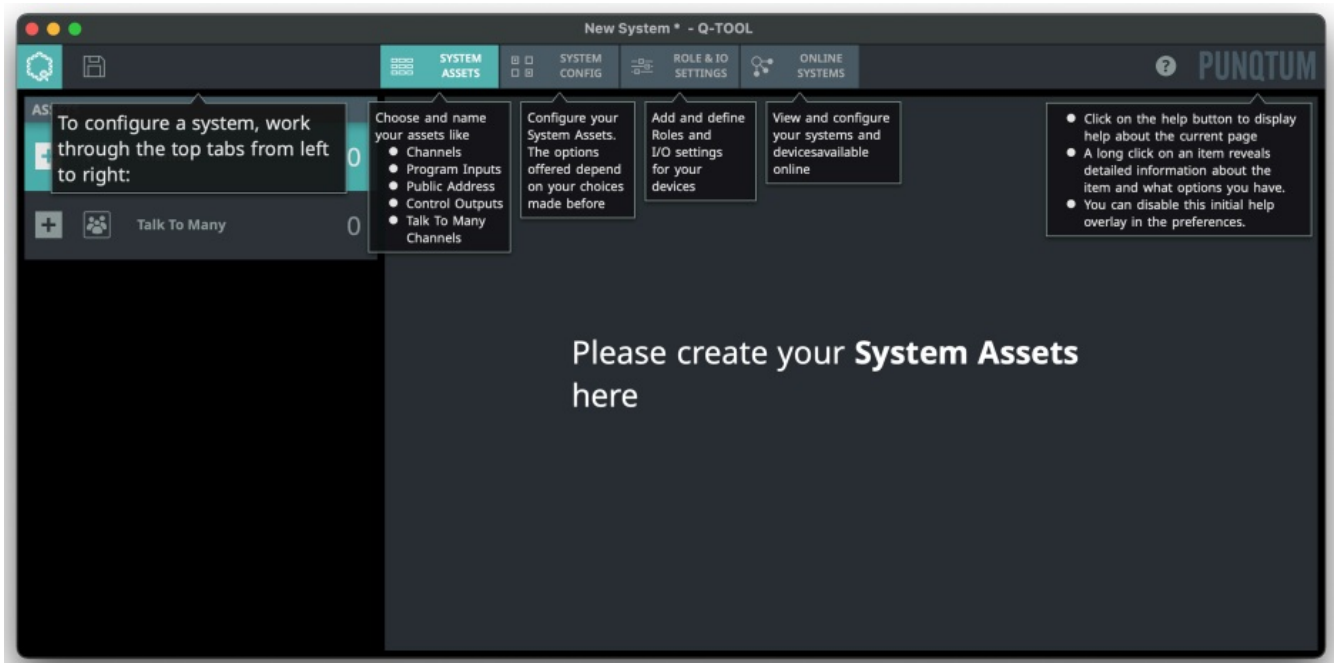


4. Result:




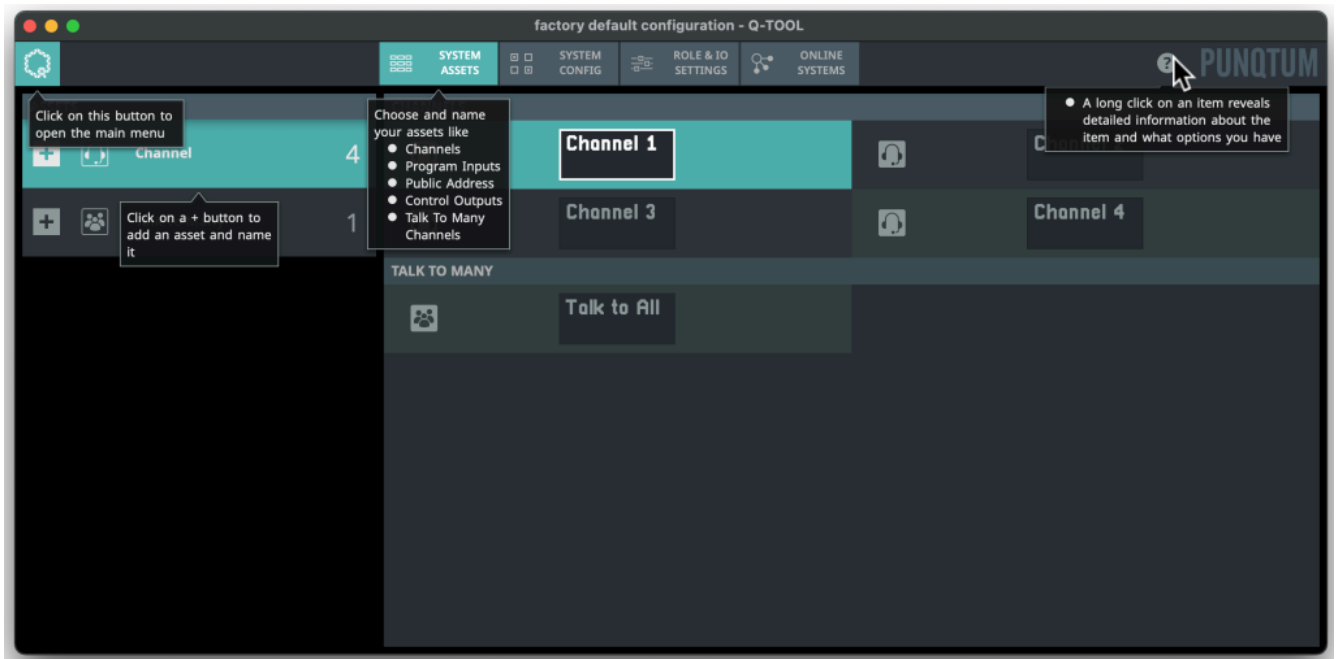
Help using Q-Tool

- Q-Tool help system is fully integrated into Q-Tool to help you work efficiently and have your questions answered in the context:
- When you open Q-Tool, you get to see an initial help overlay which gives you hints about the basic workflow. Once familiar with the use of Q-Tool, you can disable this initial help overlay in the preferences.

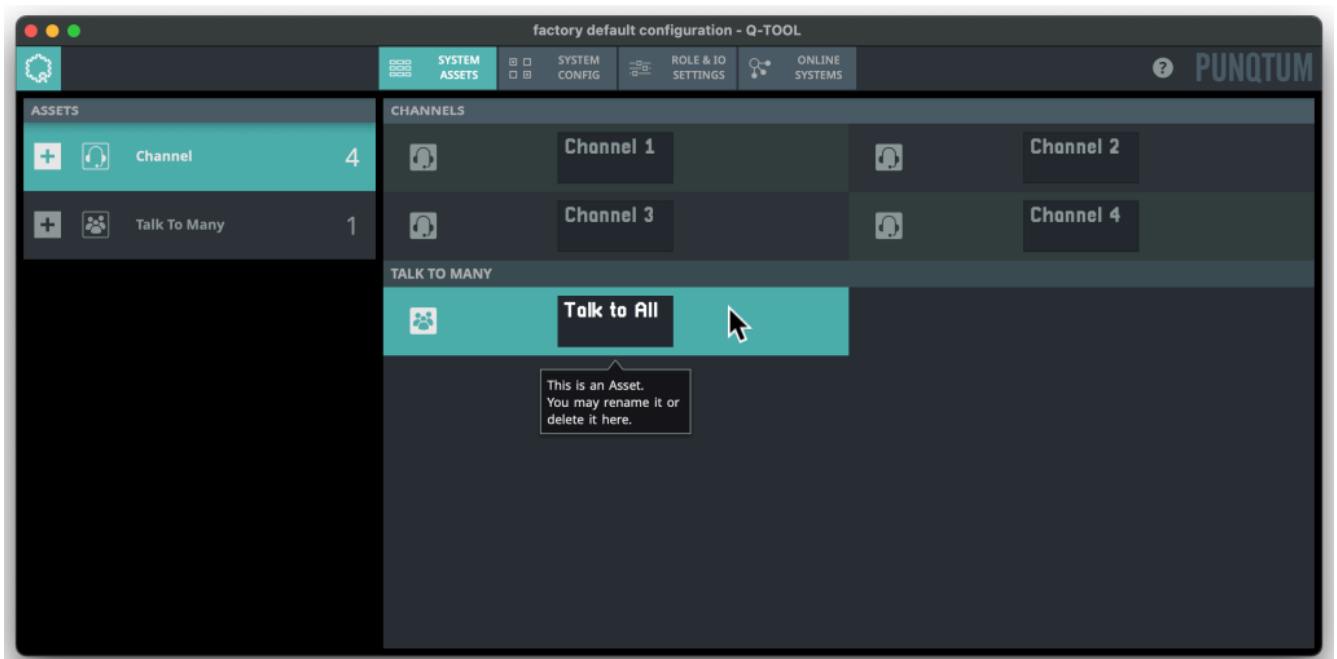


When working with Q-Tool, you can rely on 2 sources of information:

- Each page reveals a help overlay with context help information on the workflow by clicking the  icon.

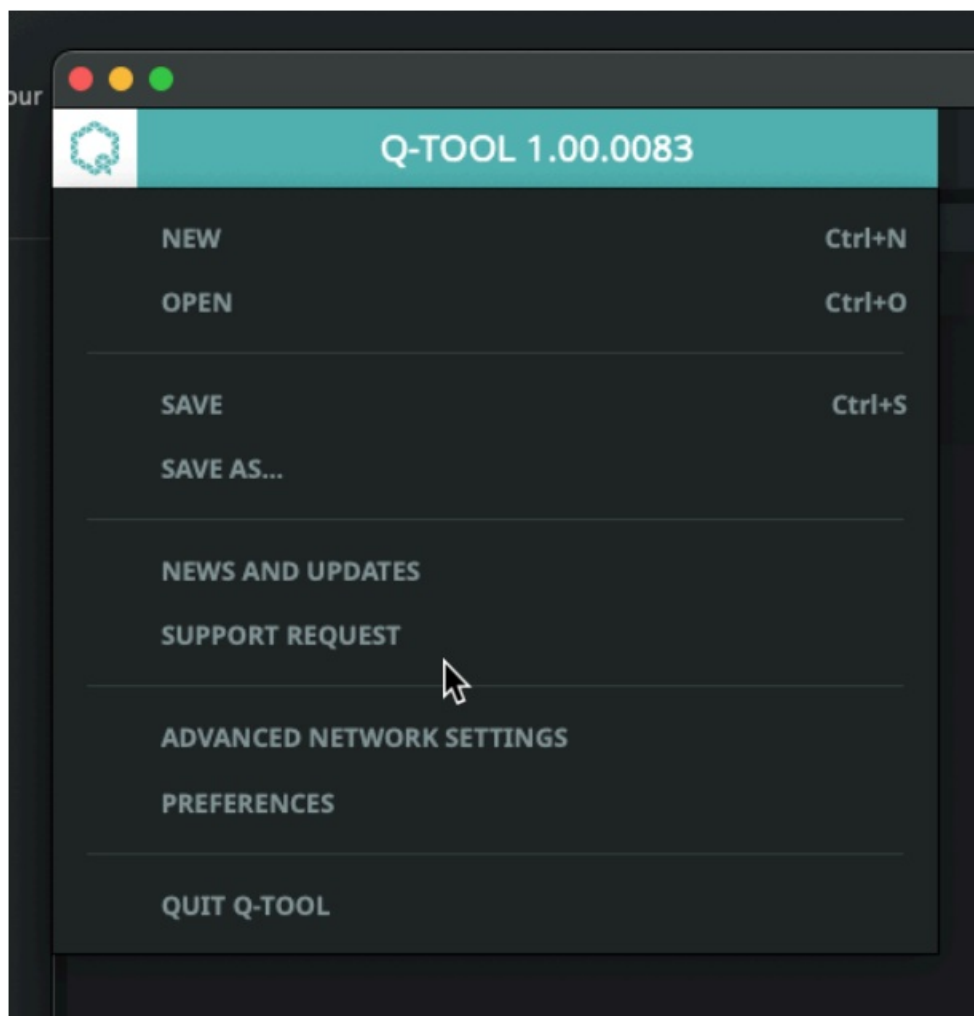


- Items on a page reveal detailed information with a long click on the item itself.



Support request

- If you experience trouble with your system setup, start a technical support request.
- Click 'SUPPORT REQUEST' in the main menu of Q-Tool.



- Save the .zip file to a location of your choice and send the saved .zip file together with a description of your problem to: support@punqtum.com.

SUPPORT REQUEST

?

Send the saved zip file together with a description of your problem to: support@pungtum.com.

Select where to store the zip file.

/Users/buchmeier/Documents/Q-Tool/support

↑

file: factory default configuration-20231123-073422.zip

New folder

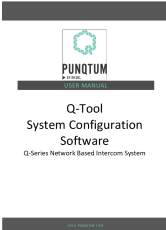
Save

Cancel

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WWW.PUNQTUM.COM.

Documents / Resources

	<p>PUNQTUM Q110 Series Network Based Intercom System Software [pdf] User Manual</p> <p>Q110 Series Network Based Intercom System Software, Q110 Series, Network Based Intercom System Software, Based Intercom System Software, Intercom System Software, System Software</p>
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References

- [Digital Intercom made affordable.](#)
- [Q-TOOL - PunQtum](#)
- [User Manual](#)

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