

# Bond Bridge Plugin for Q-SYS - Quick Setup Guide

## Introduction

This guide will help you set up and use the Bond Bridge Plugin for Q-SYS to control your Bond-enabled ceiling fans and generic devices through your Bond Bridge.

## Prerequisites

- Q-SYS Designer v9.10.2 or higher
- Bond Bridge reachable from Q-SYS Core networks
- Bridge IP address
- Bond devices (ceiling fans and generic devices) already configured through the Bond Home app
- Bond Token (retrieved from Bond app)

## Installation

1. Drag the Bond Bridge Plugin from the Plugins section of the Schematic Library into your design
2. Correctly Set the plugin properties to match the commands and devices recorded in your Bond Bridge
3. Locate your Bond Bridge IP address using one of these methods:
  - Check your router's connected devices list
  - Use the Bond Home app: Settings > Bridge Settings > Network Info
  - Scan the network for the Bond Bridge
  - Remember to set the Bridge to a static address via the Bond Home app

## Initial Setup

### Connecting to the Bond Bridge

1. Navigate to the Setup page of the plugin
2. Enter the IP address of your Bond Bridge in the IP Address field

3. Enter your Bond Token (see Authentication section below)

## Authentication - Getting Your Bond Token

### Method 1: From Bond Home App

1. Open the Bond Home app on your mobile device
2. Navigate to Bridge Settings > Advanced Settings > See the Local token
3. Copy the displayed local token and paste it into the plugin's Bond Token field

## Device Discovery

1. Once connected, click the "Refresh Devices" button
2. The plugin will automatically discover all supported Bond-controlled devices
3. Available devices will populate in the device selection dropdowns

## Using the Plugin

### Controlling Ceiling Fans

1. Navigate to the Fans page
2. Select a fan from the dropdown menu in each control section
3. Use the controls to:
  - Toggle power on/off
  - Adjust fan speed (1-8 levels depending on fan capabilities)
  - Control direction (if available)
  - Control integrated lighting (if available)

### Controlling Generic Devices

1. Navigate to the Generic Devices page
2. Select a device from the dropdown menu
3. Use the power controls to turn devices on/off

## Refreshing Device List

If you add new devices to your Bond system:

1. Click the "Refresh Devices" button on any control page

2. Wait for the plugin to rediscover devices
3. New devices will appear in the dropdown menus

## Configuration Options

- **Enable Feedback:** Enable/disable automatic device state monitoring
- **Polling Interval:** Set how frequently the plugin checks for device updates (5-60 seconds)
- **Number of Fans:** Set the number of ceiling fans to control
- **Generic Devices:** Set the number of generic devices to control

## Troubleshooting

### Cannot connect to Bond Bridge

- Verify the IP address is correct
- Ensure the Q-SYS Core has network access to the Bond Bridge (use a ping component)
- Check that the Bond Bridge is powered and connected to the network
- Verify no firewall rules are blocking communication

### Token Authentication Fails

- Make sure the token is 100% correct, with no white space
- Try power cycling the Bond Bridge

### Devices Not Appearing

- Click "Refresh Devices" to rediscover available devices
- Verify devices are properly configured in the Bond Home app
- Check that devices are online and responding in the Bond app

### Devices Don't Respond to Commands

- Verify the correct device is selected in the dropdown
- Make sure the you are sending commands that are recorded in the Bond Home app
- Check device status in the Bond Home app
- With the bond app open, see if the qsys commands are changing the devices state in the bond app
- Try controlling the device directly from the Bond Home app to test connectivity

## Connection Drops Frequently

- Check network stability between Q-SYS Core and Bond Bridge
- Reduce polling frequency to decrease network load
- Verify the Bond Bridge firmware is up to date

Bond maintains a forum here <https://forum.bondhome.io/> where you can ask questions and get help from the community.