

HubConnect 2.0

Installation Instructions

Multi-Platform, Real-Time Device Intercommunication

Minimum System Requirements:

- Hubitat Hub (Coordinator). - AND -
- Hubitat Hub (Remote) - OR -
- SmartThings Hub (Remote)

Please note that the HubConnect apps are not released under any open-source license. Please be sure to read the license agreement before installing.

Overview:

- Install HubConnect Remote Client and HubConnect Remote Hub driver on all remote hubs, including SmartThings.
- Install HubConnect Server for Hubitat on the designated “Server / Coordinator Hub”.
- Install HubConnect Server Instance on the designated “Server / Coordinator Hub”.
- Install HubConnect Remote Hub driver on the designated “Server / Coordinator Hub”.
- Install all HubConnect drivers.
- Create connections from HubConnect Server for Hubitat, exchanging the Key to the Remote Client.
- Select devices to share with the connected hub.

Detailed Instructions:

Perform the following steps in the exact order they appear.

Before installing HubConnect please be sure to download a current backup of ALL hubs in which HubConnect will be installed. This will ensure that you have a reliable recovery strategy.

Install HubConnect Remote Client code. (Hubitat)....

Perform this step on all Hubitat hubs in which the HubConnect Remote Client will be installed.

Install the **HubConnect Remote Client** (remote) **app**:

1. In the left menu, click **Apps Code**.
2. Visit the hubconnect.to and copy the import URL for the HubConnect Remote Client.
3. Click **Import** located near the top-right of the page.
4. Paste the URL that was copied in step 2.
5. Click **Import**
6. Click **oAuth**
7. Click **Update** in the dialog window.
8. Click **Save**.
9. Repeat for all other hubs.

Install the **HubConnect Remote Hub driver**:

1. In the left menu, click **Drivers Code**, then select the **HubConnect Remote Hub** driver.
2. Visit the hubconnect.to and copy the import URL for the Remote Hub driver.
3. Click **Import** located near the top-right of the page.
4. Paste the URL that was copied in step 2.
5. Click **Import**
6. Click **Save**.
7. Repeat for all other hubs.

Required; Install all drivers:

All of the drivers have been upgraded with HubConnect 2.0. Follow the steps outlined

in section #2 “Install the HubConnect Remote Hub driver” above.
All of the drivers can be found in the download section at hubconnect.to

Once the remote hub apps and drivers have been installed, proceed to install the server hub.

Install HubConnect Server code. (Hubitat)...

1. Install the **HubConnect Server for Hubitat** app:

1. In the left menu, click **Apps Code**.
2. Visit the hubconnect.to and copy the import URL for the HubConnect Server for Hubitat.
3. Click **Import** located near the top-right of the page.
4. Paste the URL that was copied in step 2.
5. Click **Import**
6. Click **Save**.

2. Install the **HubConnect Server Instance** app:

1. In the left menu, click **Apps Code**.
2. Visit the hubconnect.to and copy the import URL for the HubConnect Server Instance.
3. Click **Import** located near the top-right of the page.
4. Paste the URL that was copied in step 2.
5. Click **Import**
6. Click **oAuth**
7. Click **Update** in the dialog window.
8. Click **Save**.

3. Install the **HubConnect Remote Hub** driver:

1. In the left menu, click **Drivers Code**.
2. Visit the hubconnect.to and copy the import URL for the Remote Hub driver.
3. Click **Import** located near the top-right of the page.
4. Paste the URL that was copied in step 2.
5. Click **Import**
6. Click **Save**.

Required; install all drivers:

All of the drivers have been upgraded with HubConnect 2.0. Follow the steps outlined in section #2 “Install the HubConnect Remote Hub driver” above.

All of the drivers can be found in the download section at hubconnect.to and GitHub

For SmartThings:

Install HubConnect Remote Client code, and HubConnect Remote Hub code.

Install the **HubConnect Remote Client for SmartThings** (remote) app:

1. Log into the SmartThings IDE.
2. Click the + New SmartAPP at the far right and click From Code tab.
3. Visit the hubconnect.to and download the HubConnect Remote Client for SmartThings.
4. Open the code into an editor of your choice, then select all and copy the text.
5. Paste the text into the SmartThings IDE.
6. Click **App Settings** then Click **oAuth**
7. Click **Update** in the dialog window.
8. Click **Save**.
9. Click **Publish**, For Me.
10. Click My Device Handlers and then the + New SmartAPP at the far right and click From Code tab.
11. Visit the hubconnect.to and download the HubConnect Remote Hub for SmartThings.
12. Open the code into an editor of your choice, then select all and copy the text.
13. Paste the text into the SmartThings IDE.
14. Click **Update** in the dialog window.
15. Click **Save**.
16. Click **Publish**, For Me.

Required; update all drivers:

All of the drivers have been upgraded with HubConnect 2.0. Follow the steps outlined in section #2 “Install the HubConnect Remote Hub driver” above.

All of the drivers can be found in the download section at hubconnect.to

Not all Device Types are currently supported in SmartThings with the tiles UI. For those that do not appear in the SmartThings driver list, use the drivers located in the Universal Drivers download section instead. These will not have a user interface, but they will work for automations.

Once all of the HubConnect Server and Remote Client code has been imported on all of the hubs, move on to installing the server app on the Server Hub.

Complete the Install

1. On each **Remote hub**, go to the **Apps** tab.
2. Select Add User App and select **HubConnect Remote Client** from the list.
3. Select **HubConnect Remote Client**.
4. Switch to the **Server hub**, go to the **Apps** tab.
5. Select Add User App and select **HubConnect Server for Hubitat** from the list.
6. Select **HubConnect Server for Hubitat**
7. HubConnect will alert that an upgrade has been installed. Click Done when prompted to do so. HubConnect will trigger all connected hubs to process the updated code.
8. If no errors are reported, the upgrade was successful.
9. If using the Hubitat websocket, please check to see that all of the Remote Hub Devices are showing a connected status.

It's important that the Hubs are Connected **prior** to Selecting devices to be 'mirrored'.

Create a Connection

1. On the Server hub, go to the **Apps** tab.
2. Select **HubConnect Server for Hubitat**
3. Select **Connect a Hub**
4. Enter your Private LAN IP Address of Client Hub
5. Select Type of Hub from the drop down.
6. Some options offer: Local Connection Type. Select the Type.
7. Copy Connection Key.
8. On the Remote Hub Select **Connect to Server Hub**
9. Paste the Connection Key from Server and click Done.
10. Switch to the Server hub and click Verify.
11. Click Done.

Connecting Local Devices to Server or Remote

1. On the hub with the devices you want to connect, go to the [Apps](#) tab.
2. Select **Select devices to synchronize to Server Hub** or **Connect local devices to Remote Hub**
3. Use Quick Select or Device Categories to pick one or more devices.
4. Carefully examine and verify that you've installed the list of Required Drivers found at the bottom of the initial Selection page. The drivers named in the list will need to be available on the other hub prior to the next step.
5. Click Done and Done again. A list of the devices will be sent to the connected hub and 'mirrored devices' will be created there.

Enjoy HubConnect!

HubConnect Installation Images

After adding all the Apps and Driver Code to your Hubitat Hubs, yours should look like this:

HubConnect Server Images

Apps Code

Name ▲	Namespace ▲	OAuth ▾
HubConnect Server for Hubitat	shackrat	
HubConnect Server Instance	shackrat	enabled

Drivers Code

Name ▲	Namespace ▲	Capabilities
HubConnect Remote Hub	shackrat	Switch, PresenceSensor,

HubConnect Remote Images

Apps Code

Name ▲	Namespace ▲	OAuth ▾
HubConnect Remote Client	shackrat	enabled

Drivers Code

Name ▲	Namespace ▲	Capabilities
HubConnect Remote Hub	shackrat	Switch, PresenceSensor,