

Pairing a Wireless Socket Tray to a Controller using 802.15.4 radio

Below is a step-by-step guide for connecting an Ingersoll Rand QC-SELECTOR-4-W Socket Tray to an INSIGHTqcx controller using 802.15.4 radio. The process covers preparation, firmware update, radio setup, pairing and naming the accessory.

Have the socket tray, charged battery, computer with the Ingersoll Rand INSIGHT Connect application, the USB C-C connection cable used for setup, and access to the controller interface available. Have the appropriate firmware file available if performing a firmware update.

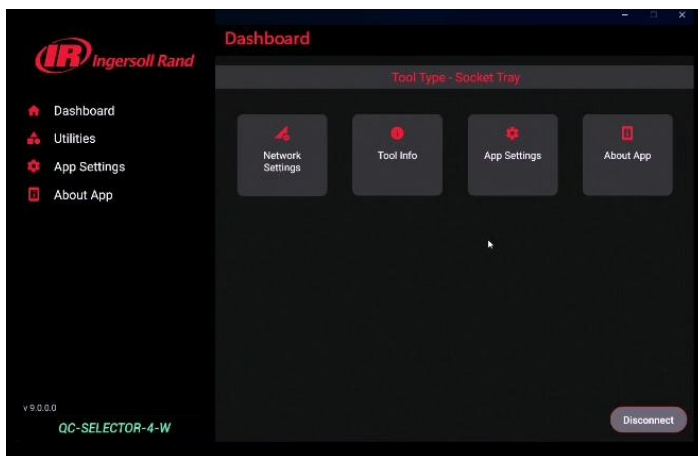
Connect and check firmware

1. Connect the socket tray

Connect a battery to power the tray and connect it to the computer for setup. Open the INSIGHT Connect application and click Connect. Confirm the dashboard shows Tool Type – Socket Tray and QC-SELECTOR-4-W.

2. Check the current version

Open Tool Info and review the model and Firmware Version. If the version is not the desired version you can update.



Connected dashboard

3. Load firmware (if required)

Open Utilities, navigate to Firmware Update and click Select Firmware. Browse to the appropriate firmware file and open it. Allow the transfer to finish.

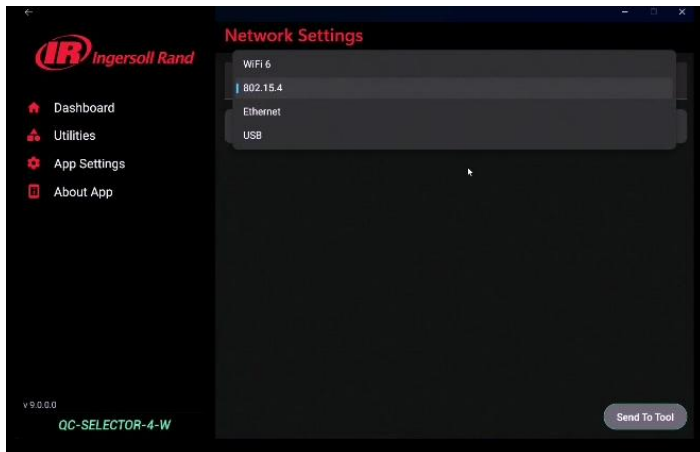
4. Finish the update and reconnect

When the success alert appears, wait for the update to finish on the tray, then restart it as instructed by the alert. Click Connect again and recheck Tool Info.

Select radio communication

5. Select 802 15 4

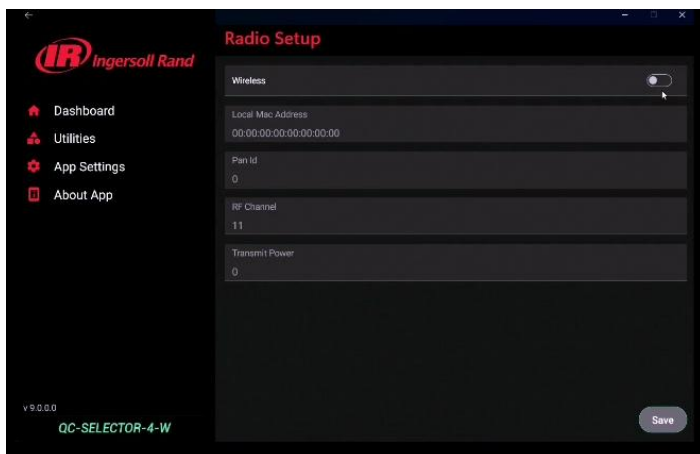
From the dashboard, open Network Settings and click Edit. Set Communication Type to 802.15.4 for radio pairing. Use Send To Tool to apply the changes.



Communication Type options

6. Review Radio Setup

Open Radio Setup to view the Wireless Setup options (Wireless Enable, Local Mac Address, Pan Id, RF Channel and Transmit Power). Click Edit to Enable Wireless and modify any setting based on your system's configuration. Click Save.



Radio Setup fields

Note: The displayed radio values are demonstration settings; do not treat them as universal installation values.

Pairing with the controller

7. Open Accessories

Open the INSIGHTqcx controller web browser and log in. Select Accessories from the left menu. Keep the tray powered for the pairing process.

8. Start the pairing sequence

Click Pair at the bottom right of the controller Accessories page. While the controller is searching, use the tray pairing button to initiate pairing from the accessory end.

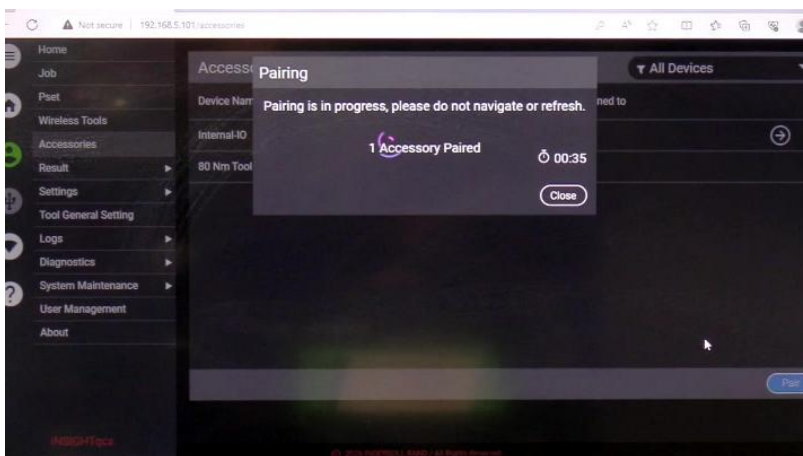


Tray pairing control beside the IR logo

The controller displays “Pairing is in progress, please do not navigate or refresh.” Keep this page open while it searches.

9. Confirm successful pairing

Wait for “1 Accessory Paired” in the pairing dialog, then click Close. Confirm that a new accessory row appears in the Accessories list.



Pairing confirmation

Naming and verifying the accessory

10. Open the accessory details

In Accessories, select the right arrow on the newly paired accessory row. Verify that Device Type is Wireless and confirm the other details.



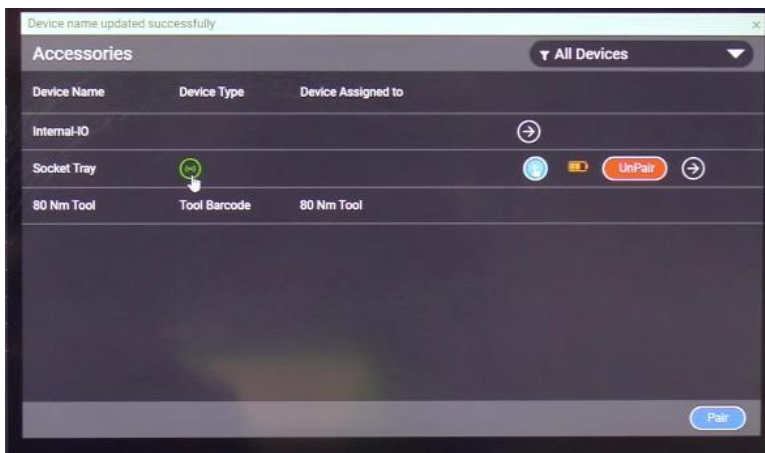
Accessory details before naming

11. Enter the device name

Use Device Name → Select/Add name. Enter or select Socket Tray, as demonstrated, or use your site’s naming convention. Click the save icon at the upper right.

12. Verify the saved result

Confirm the message “Device name updated successfully.” The Accessories list should show the named Socket Tray row with an UnPair button, indicating that the device is paired to the controller.



Named and paired socket tray

Completion check: the accessory is paired, its name is saved, and it appears in the controller Accessories list.