Activating USB dongle

Controller settings

Open the front panel of controller, insert the USB dongle into the IPC, and close the front panel.
Refer to ID10563 and ID10564 in the manual for how to open and close the front panel.

TwinCAT3 installation

Install TwinCAT3 from the page below.
https://www.denso-wave.com/en/robot/download/application/twincat3.html

Connection from PC to controller

1) Launch TwinCAT XAE Shell and select 2) [File] – 3) [Open] – 4) [Open Project from Target]
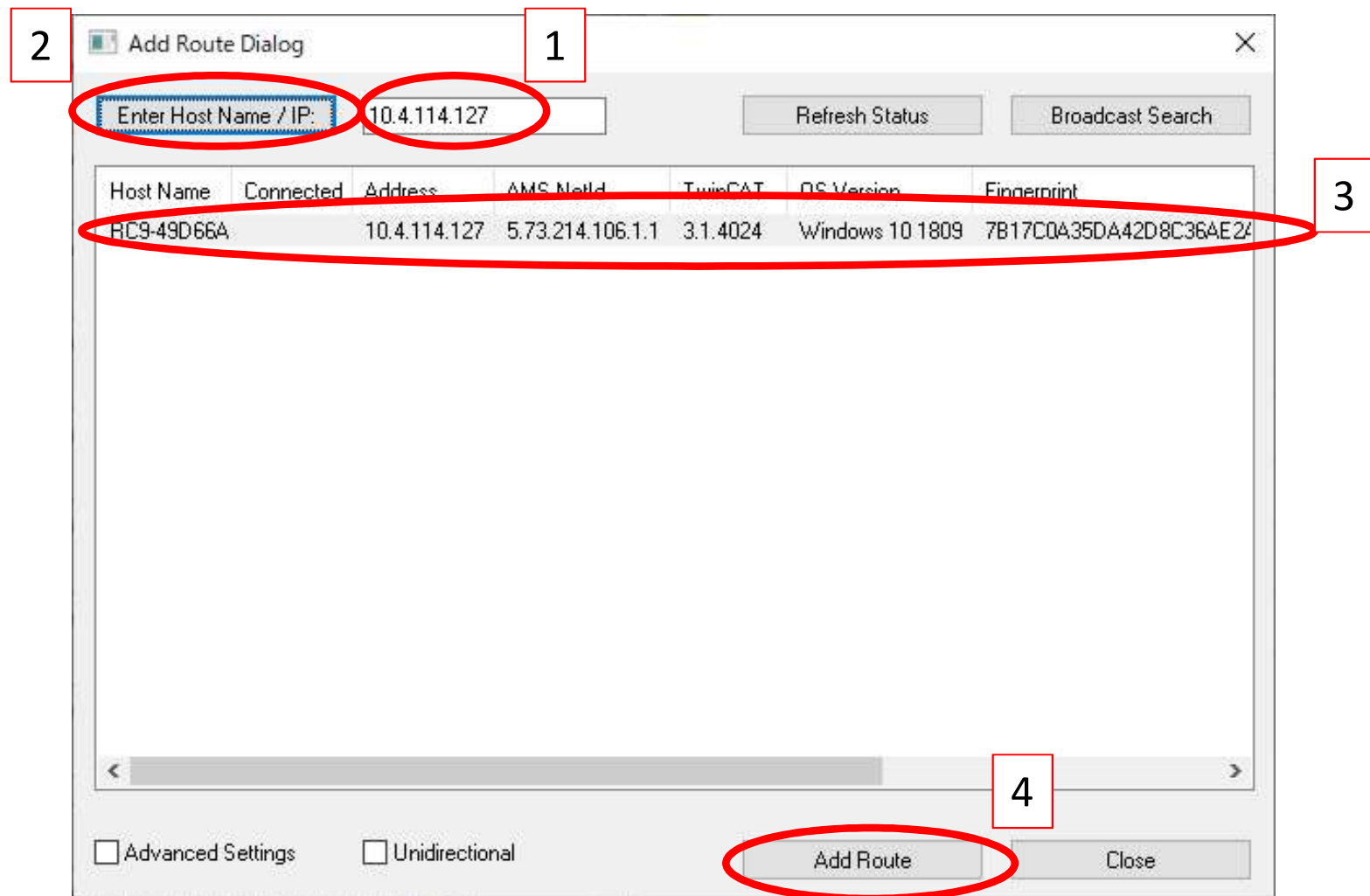When the [Choose Target System] screen appears, 5) click the [Search] button.
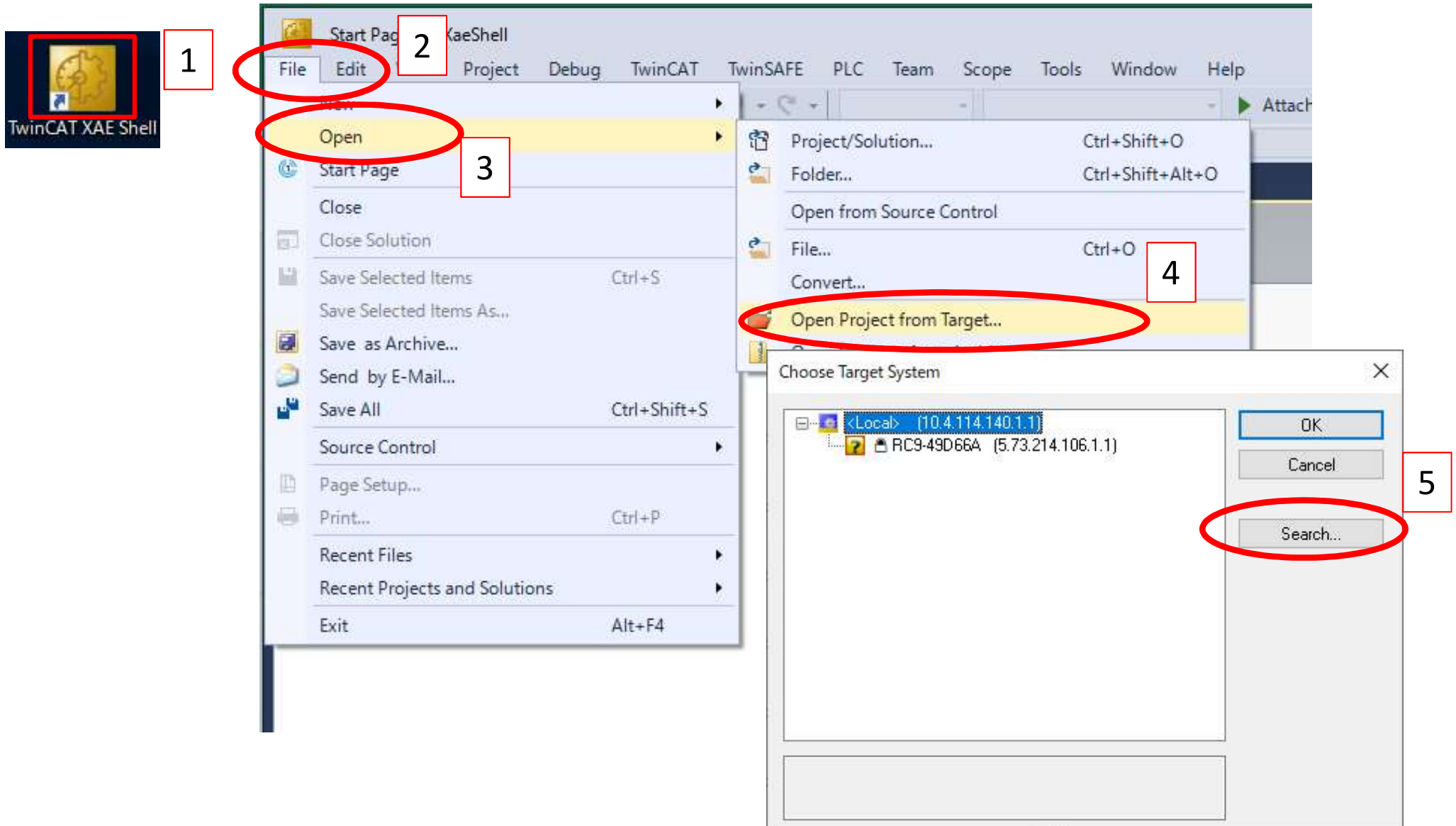
Connection from PC to controller

When [Add Route Dialog] is displayed, 1) enter the IP of controller.
2) Click the [Enter Host Name / IP:] button and select 3).
4) Click the [Add Route] button.

Connection from PC to controller

1) Check [Secure ADS], 2) select [Preshared key(PSK)], and 3) enter [Identity] and [Password].
The [Idenfity] and [Password] to be entered enter Maintainer with Smart TP or higher authority, and enter the information described on the [Setting] – [System Info] screen.
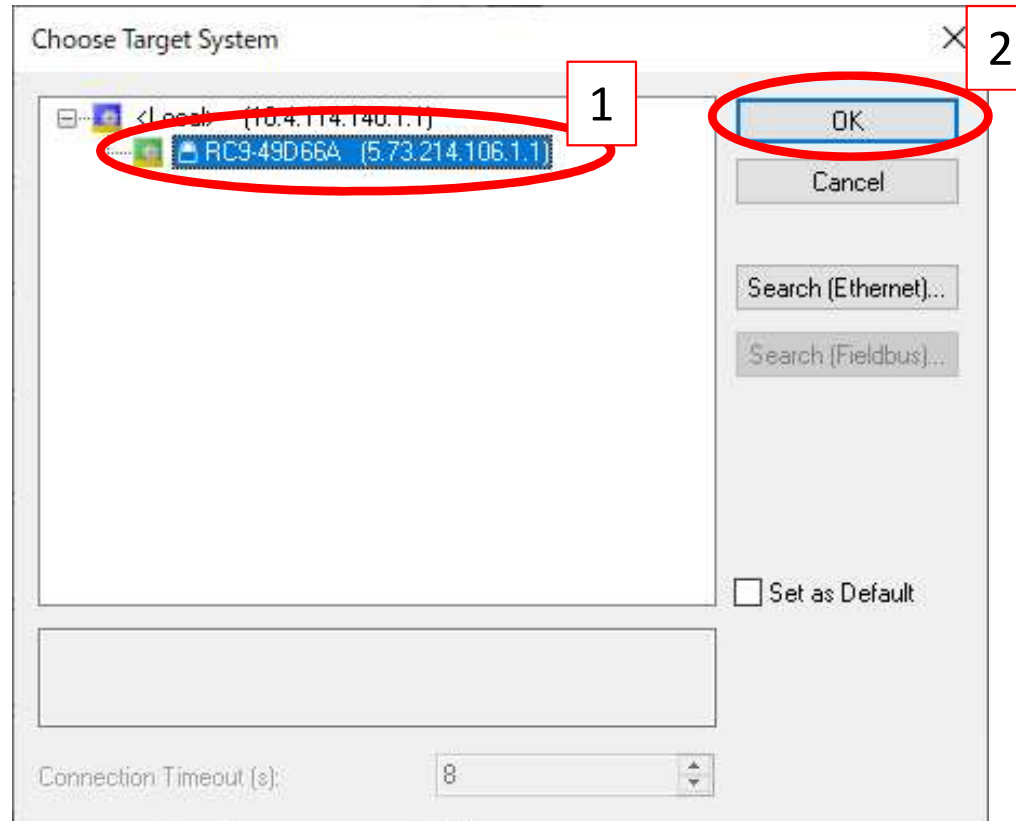

Smart TP screen

Connection from PC to controller

Go back to the [Add Route Dialog] and 1) see the icon on the [Connected].
2) Click the [Close] button.
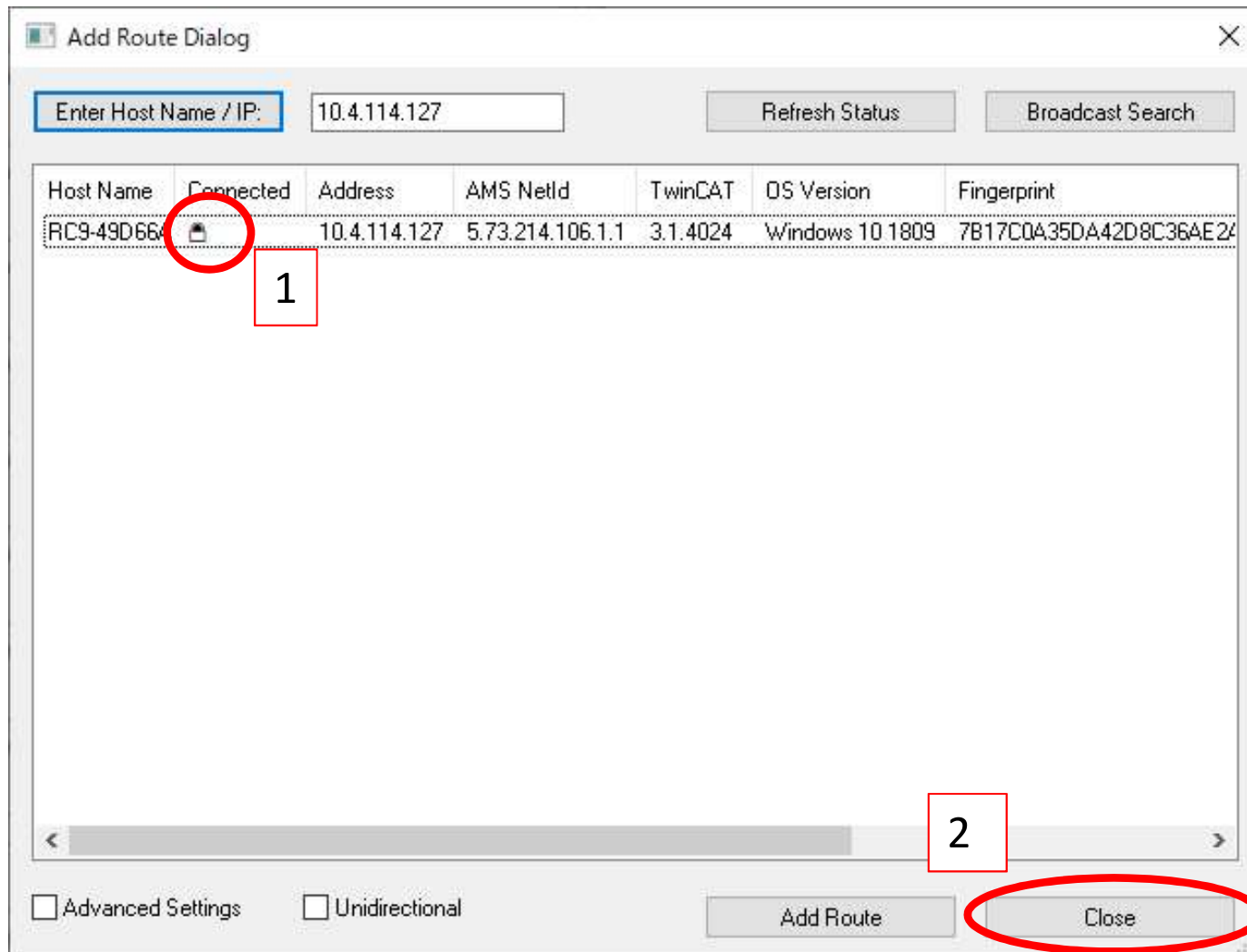
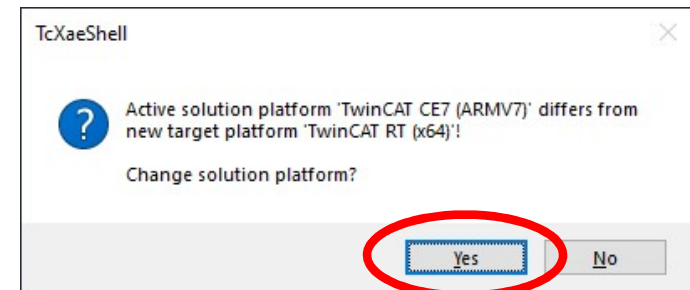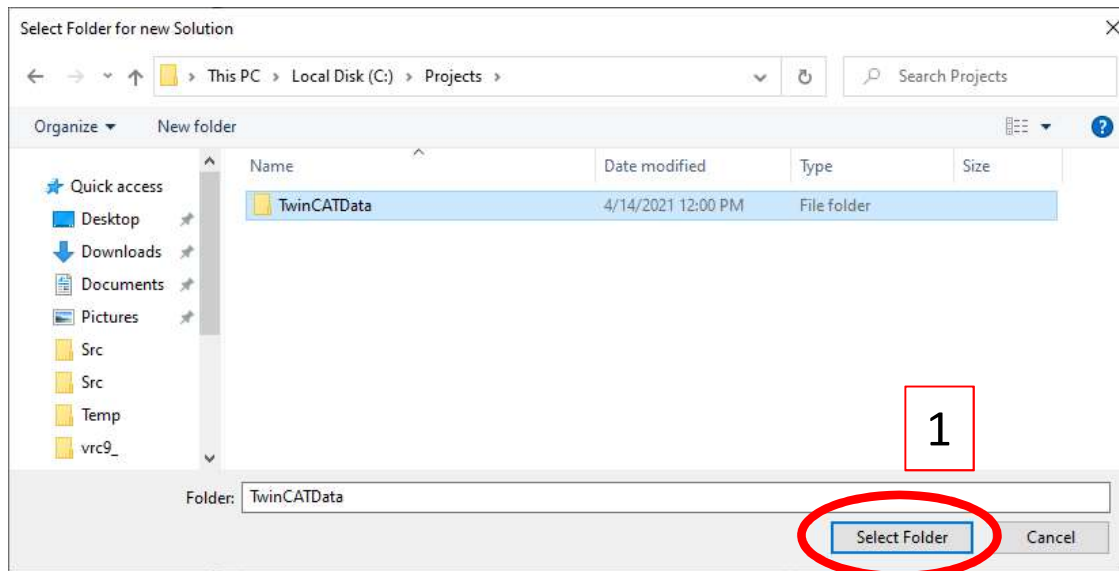# Connection from PC to controller

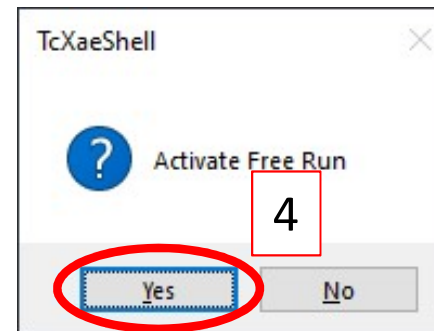1) The item whose first icon is green (or blue) is displayed. Select it and 2) click the [OK] button.
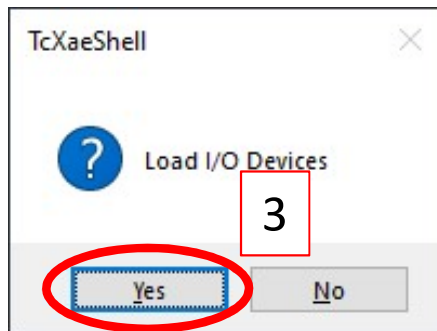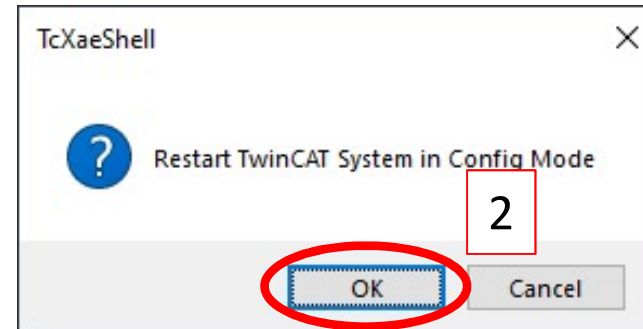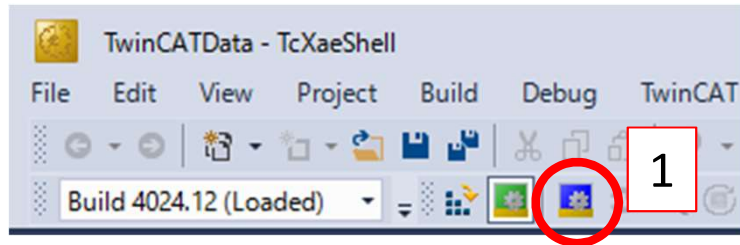
Connection from PC to controller

1) Click the [Select Folder] button to save the TwinCATData loaded from the Controller.
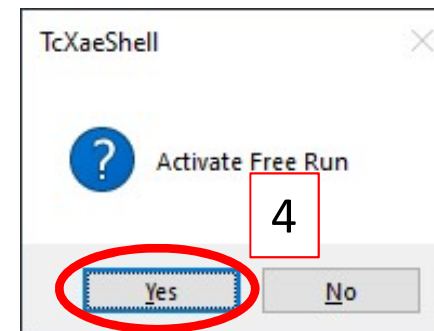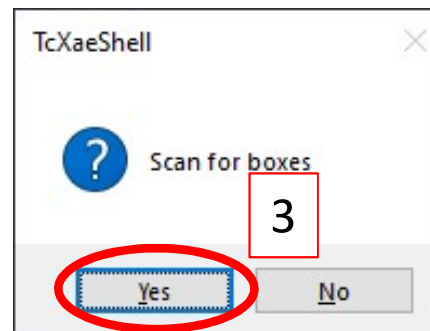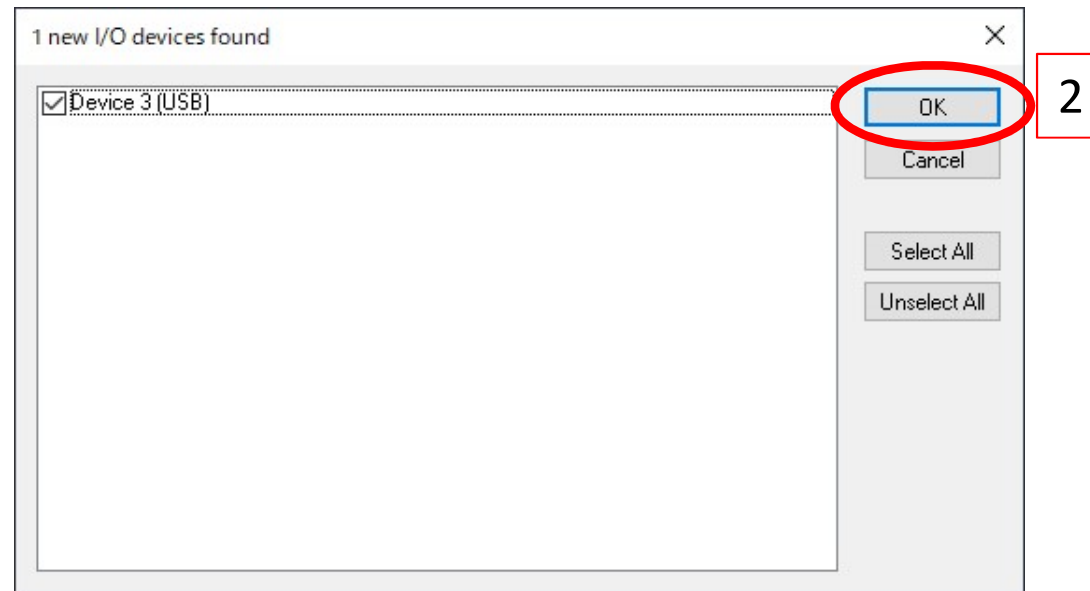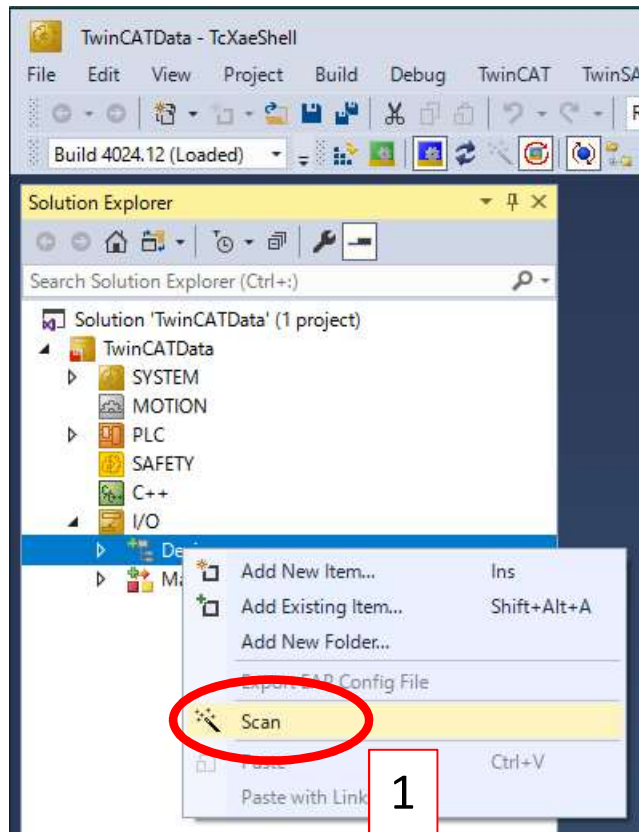2) Click the [Yes] button.

Activating USB dongle

1) Click the Config Mode button.
2) to 4) Click the [OK]/[Yes] button.
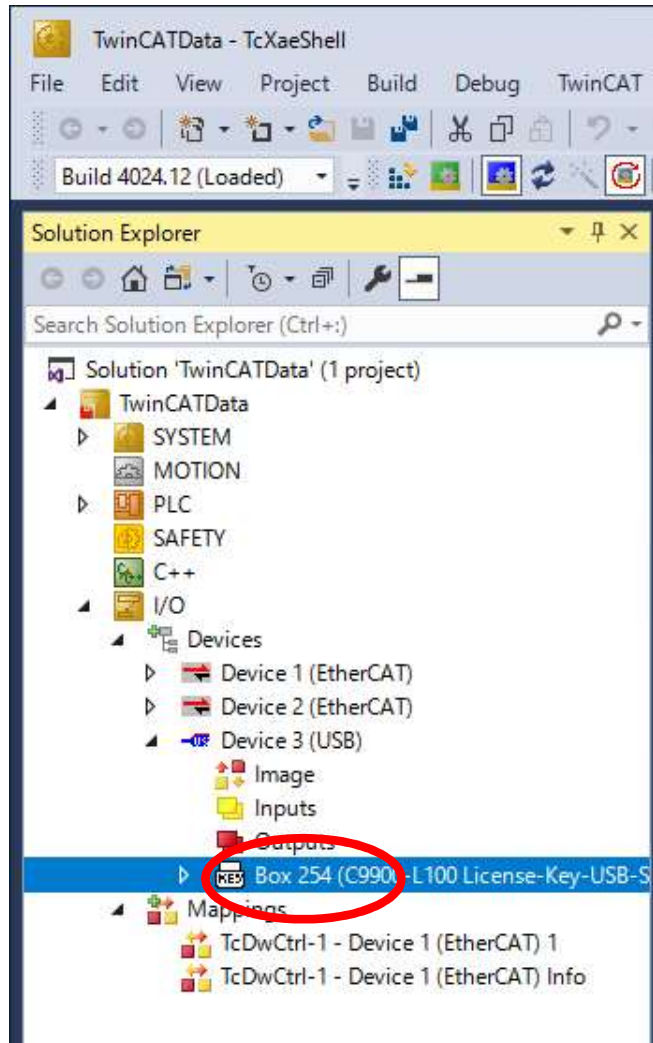
Activating USB dongle

Right-click on the [I/O] – [Device] from [Solution Explorer] and 1) select the [Scan].
2) to 4) Click the [OK]/[Yes] button.

Activating USB dongle

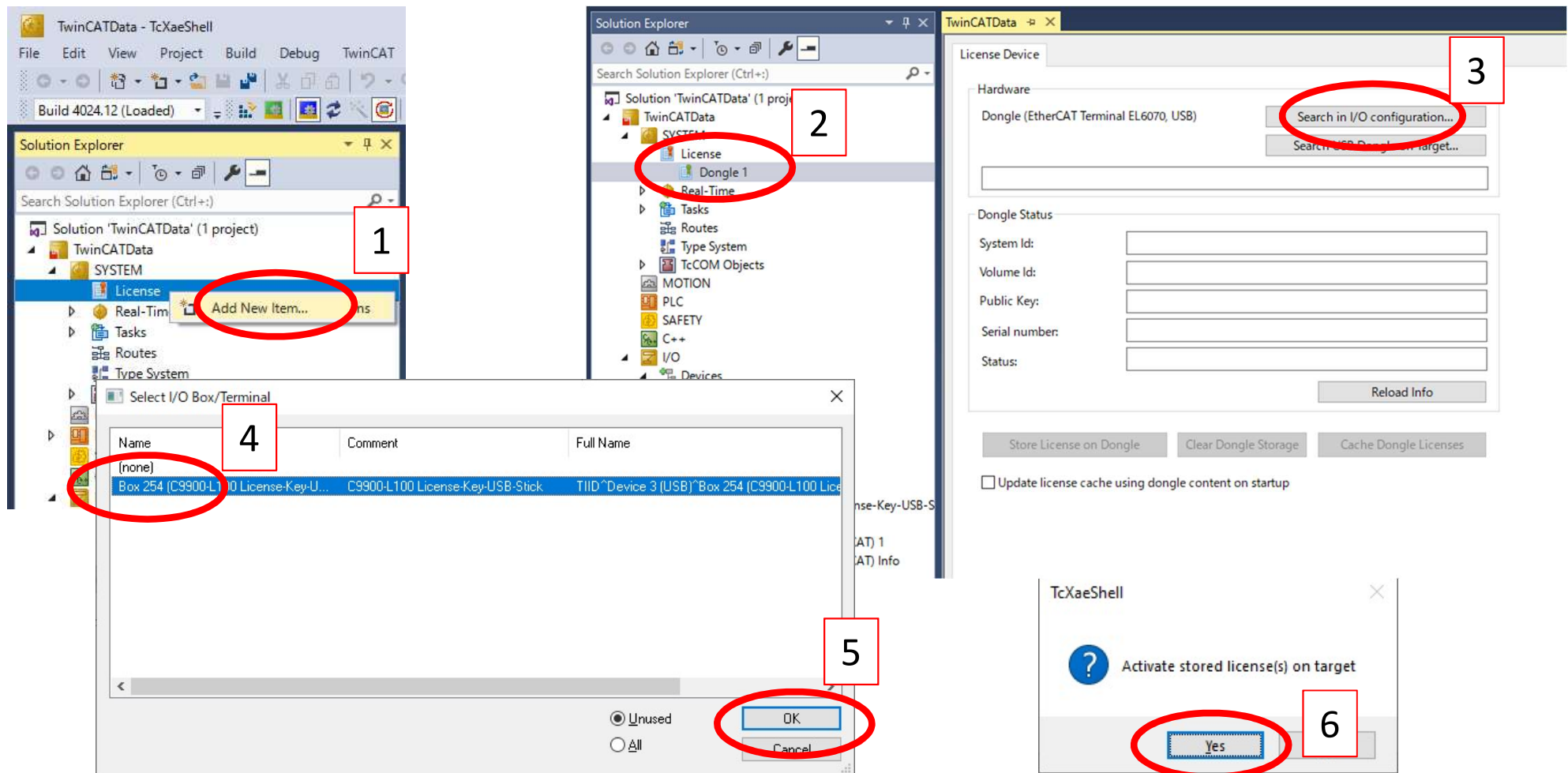The [Device 3] is added and the [Box 254] is displayed in it.

Activating USB dongle

Right-click on the [SYSTEM] – [License] and 1) click the [Add New Item].
2) Double-click on the created [Dongle 1] and 3) click the [Search in I/O configuration] button.
Select the [Box 254] on the [Select I/O Box/Terminal] screen and 5) click the [OK] button.
6) Click the [Yes] button.

Activating USB dongle

1) Click the [Reload Info] button in the [License Device].
2) Confirm that the [System ID] has been registered and the [Status] becomes Valid.

Activating USB dongle

Check the 1) [TC3 PLC] and 2) [TC3 PLC-HMI Web].

Activating USB dongle

1) Change the [TC3 PLC] and the [TC3 PLC-HMI Web] of the [License device] to the [Dongle 1(Hardware ID)].
2) Save all, 3) close the TcXaeShell and restart the controller.
(Startup will take longer than usual.)