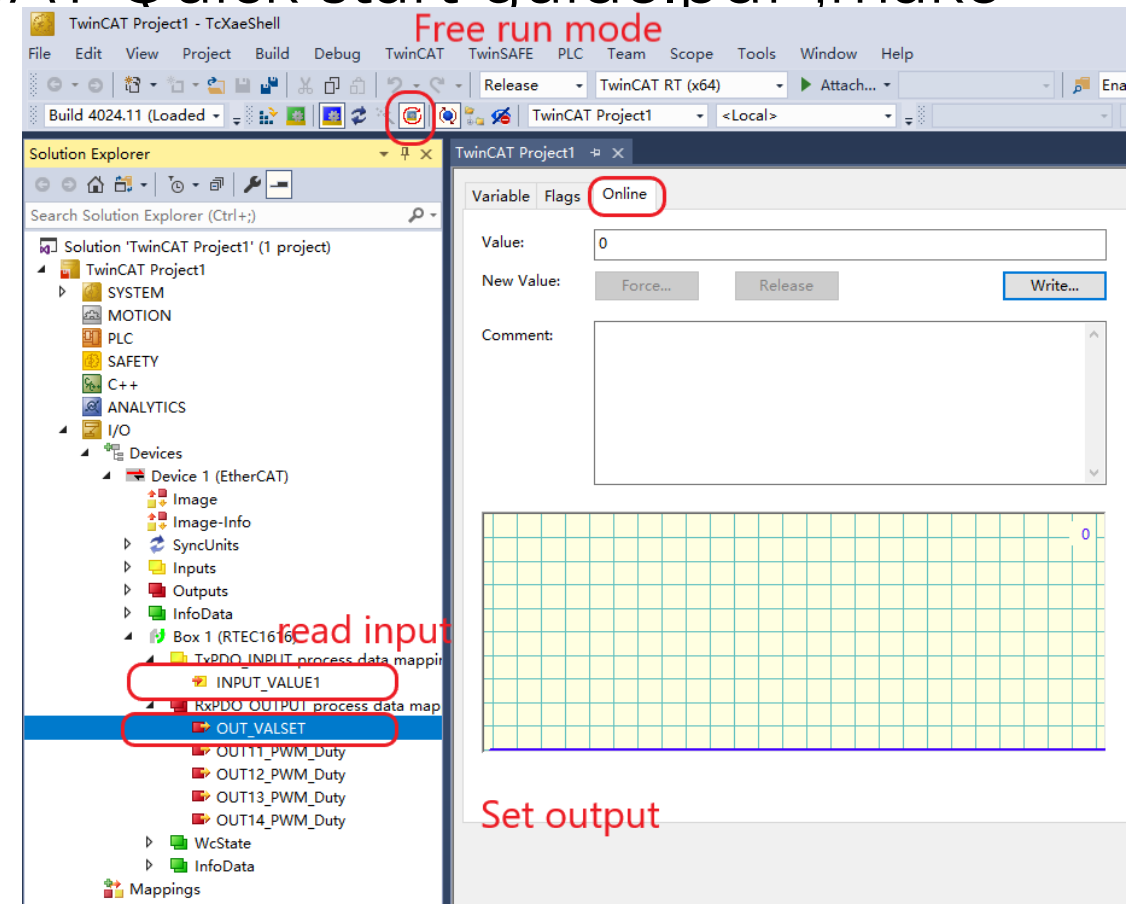


# RTEC1616 – TwinCAT3.0 Update firmware via FoE



# Prepare

- Please refer to "RTEC1616 TwinCAT Quick start guide.pdf", make the RTEC1616 in free run states.





# Actions

- ① Enter bootstrap state
- ② Start download dialog
- ③ Select new firmware binary – “RTEC1616\_2021\_01\_12.bin”
- ④ Enter 32bit passkey “0A880A88”
- ⑤ and confirm with „OK”

The screenshot shows the 'Online' tab in TwinCAT Project25. The 'State Machine' section has the 'Bootstrap' button highlighted with a red box. The 'Current State' and 'Requested State' are both set to 'BOOT'. The 'DLL Status' section shows 'Port A: Carrier / Open' and 'Port B: No Carrier / Closed'. The 'File Access over EtherCAT' section has the 'Download...' button highlighted with a red box.

①

②

③

The 'Edit FoE Name' dialog box is shown. The 'String' field contains 'RTEC1616\_2021\_01\_12'. The 'Hex' field contains '52 54 45 43 31 36 31 36 5F 32 30 32 31 5F 30'. The 'Length' field contains '19'. The 'Password (hex)' field contains '0A880A88'. The 'OK' button is highlighted with a red box.

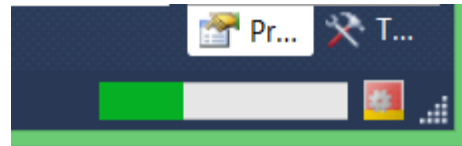
④

⑤

The screenshot shows a file explorer window with the path 'XMCworkspace > RTEC1616 > Release'. The file 'RTEC1616\_2021\_01\_12.bin' is selected and highlighted with a red box. The '打开(O)' (Open) button is highlighted with a red box.

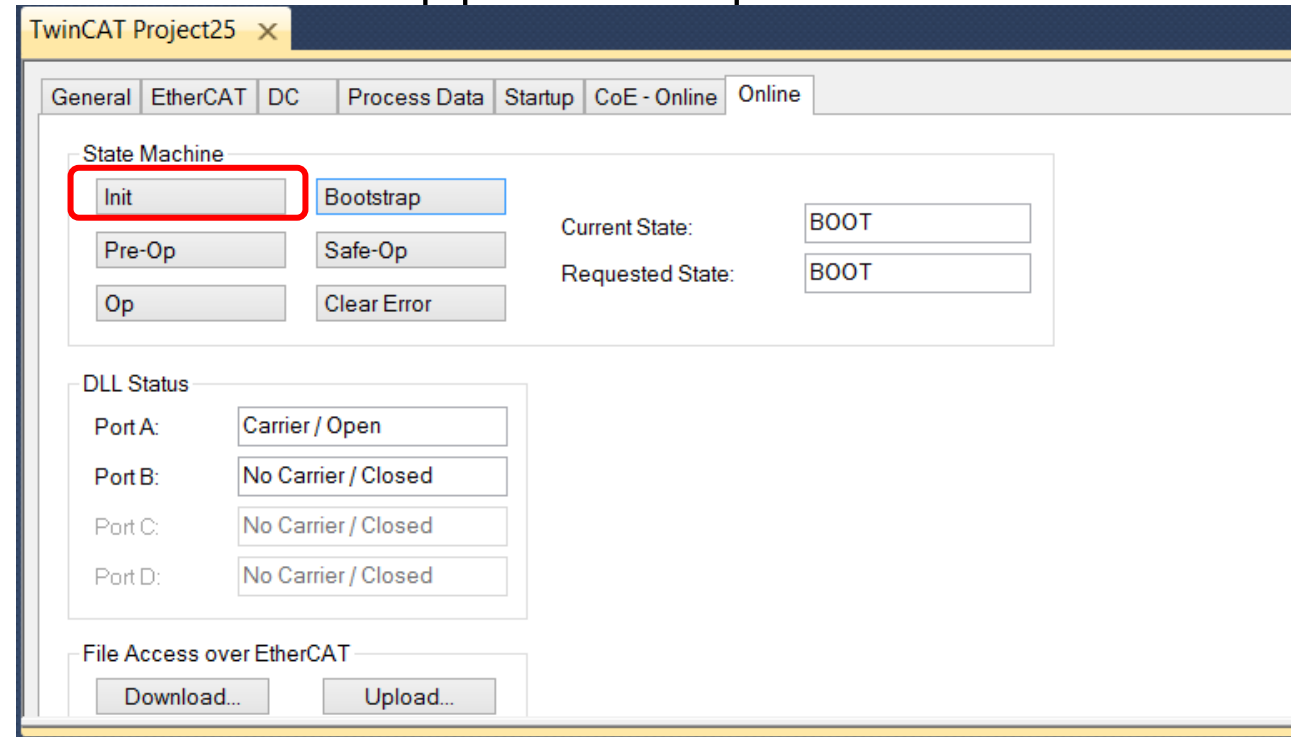
Check the progress of firmware download via FoE

- While the firmware is downloaded to the backup partition, a progress bar in the very right corner of the TwinCAT window indicates the upload status to you



# Update firmware via FoE

- Set slave to INIT state. This triggers the restart of the device with bootloader executable. Firmware inside application partition will be updated.



- The slave is restarted and after firmware was updated inside flash becomes operational again.

Thanks