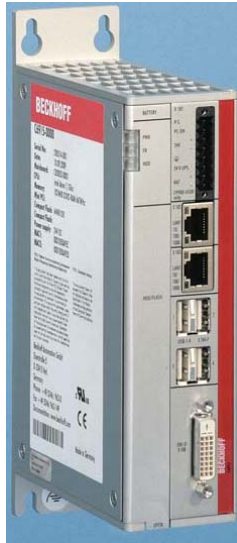


C6915 IPC initial operation and settings



For the initial operation with a CE device is necessary to attend the following requirements:

- Additional PC with Windows NT/2000/XP to be use as a host PC.
- Microsoft Remote display (CERHOST.exe) to connect to de CE device.
- TCP/IP connection between CE device and host PC.
- TwinCAT software on the host PC (running and up to date).
- TwinCAT CE on the CE device.

First of all it should be checked on the CE device that one of the network connections (IP port) is set to DHCP and the other one to a fix IP address. This address must be on the same network as the IP address of the host PC.

Start the Remote Display (CERHOST) (Figure 1) on the host PC, choose the menu File and then the submenu "Connect"; it opens a window to enter the name or IP address of the CE device (Figure 2). The remote connection between the host PC and the CE device is done.



Figure 1.- CERHOST

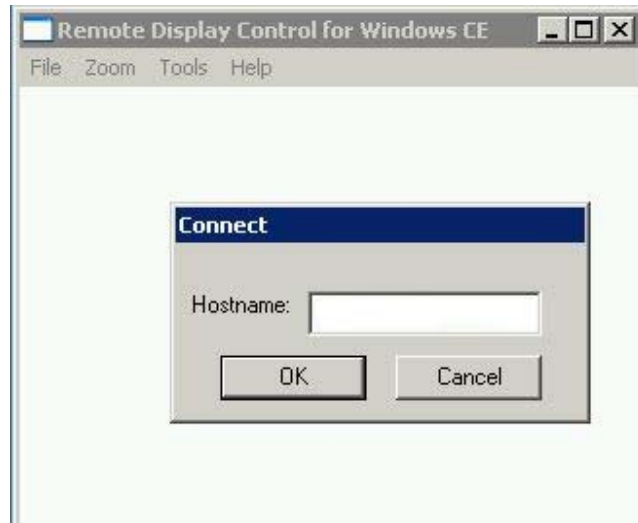


Figure 2.- Remote Display tool

Now starts the TwinCAT System Manager on the host PC (see figure 3); TwinCAT must be switched to the configuration mode on the host PC.

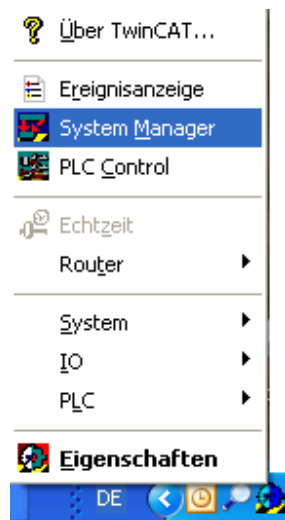


Figure 3.- TwinCAT System Manager

On the menu “Actions” select “Chose Target System” (figure 4), it opens a window, on it select the entry “Search”; it will open a second window with the name Add Rout Dialog, press the button “Broadcast Search” or enter the name of the CE device. The CE device will appear on the list, select it and press the button “Add route”. A dialog appears asking the user name and the password, close by clicking OK. Now there is the name of the CE device to find on the “Chose Target System” window, select it and press ok to leave the window.

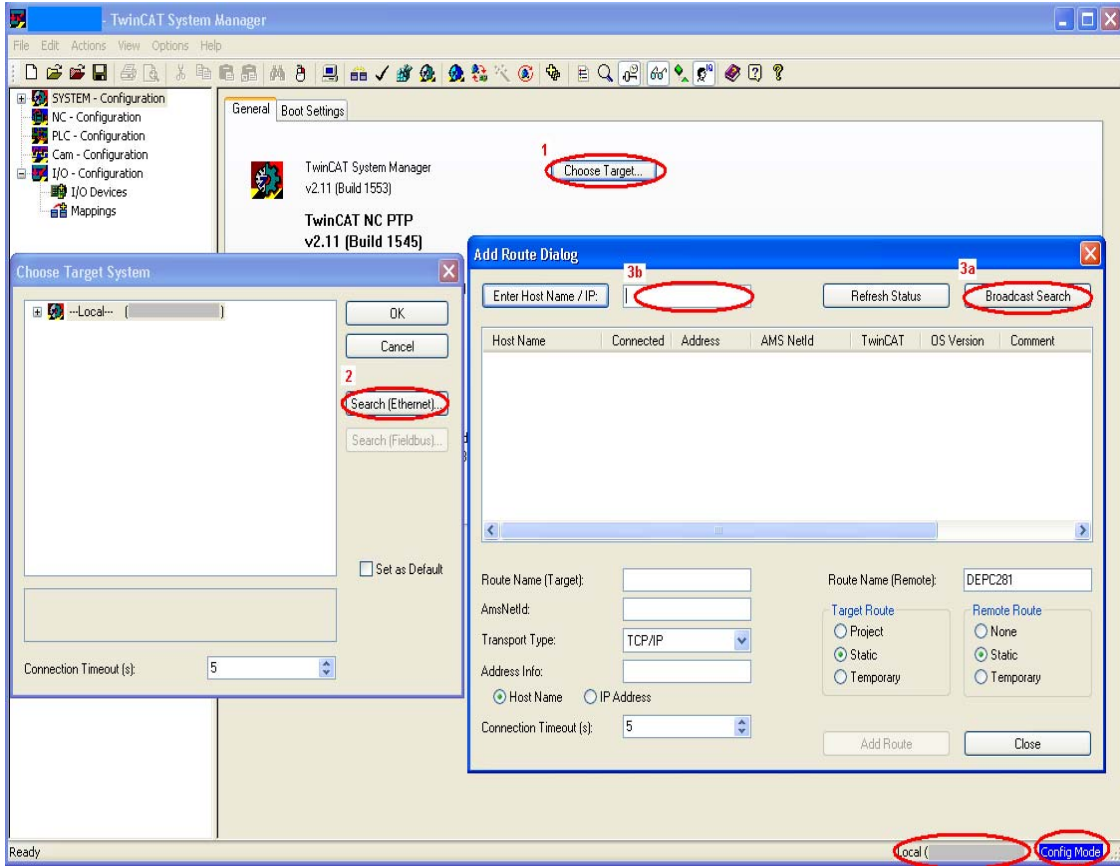


Figure 4.- TwinCAT System Manager target selection.

On the System Manager Window, down on the right side, should be change from local to the CE device name and IP address, which means the connection to the CE device is done.

If the System Manager was a new one, it is possible to configure the components connected to the CE device using the command “Scan Devices” on the I/O Configuration and continued working as usual on the System Manager (figure 5).

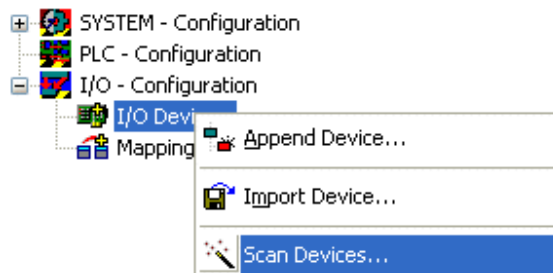


Figure 5.- Scan for new Devices

If the System Manager configuration was already done and it should be transfer to the CE device, click on the I/O Configuration (see figure 6), under I/O Devices chose the EtherCAT device; on the right side choose the “Adapter” menu and

press the button “Search” in order to change the MAC address, it prompts a window with the two IP ports of the CE device, select the port where the EtherCAT devices (Servo drive, etc.) are connected, after that, load and activated the configuration. TwinCAT System Manager should change from “Config Mode” to “Run Mode”.

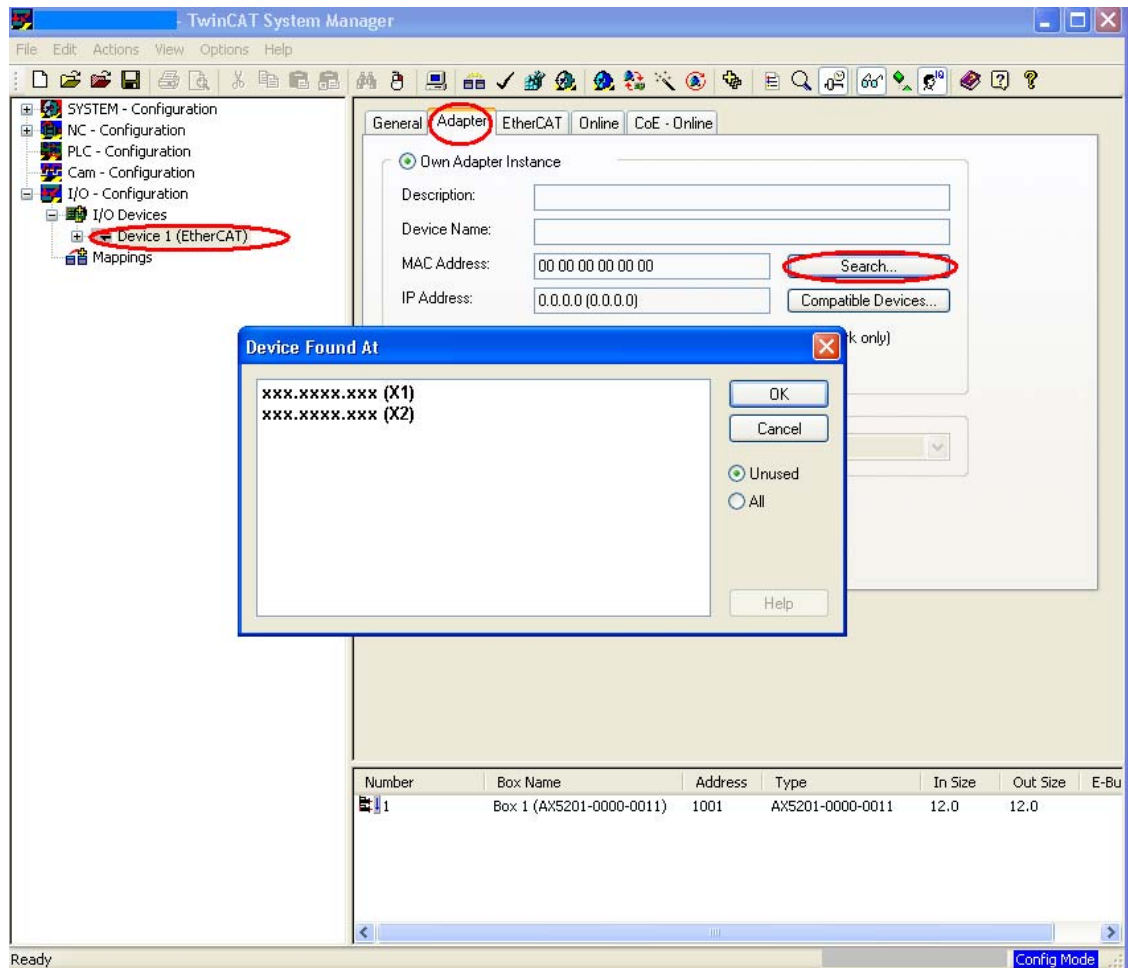


Figure 6.- Transfer System Manager to CE system .

In order to run the PLC application on the CE System, open the TwinCAT PLC Control program, on the “Online” menu choose the option “Select target system” (figure 7), it opens a window where the CE device and the “Runtime (Port 801)” should be taken.

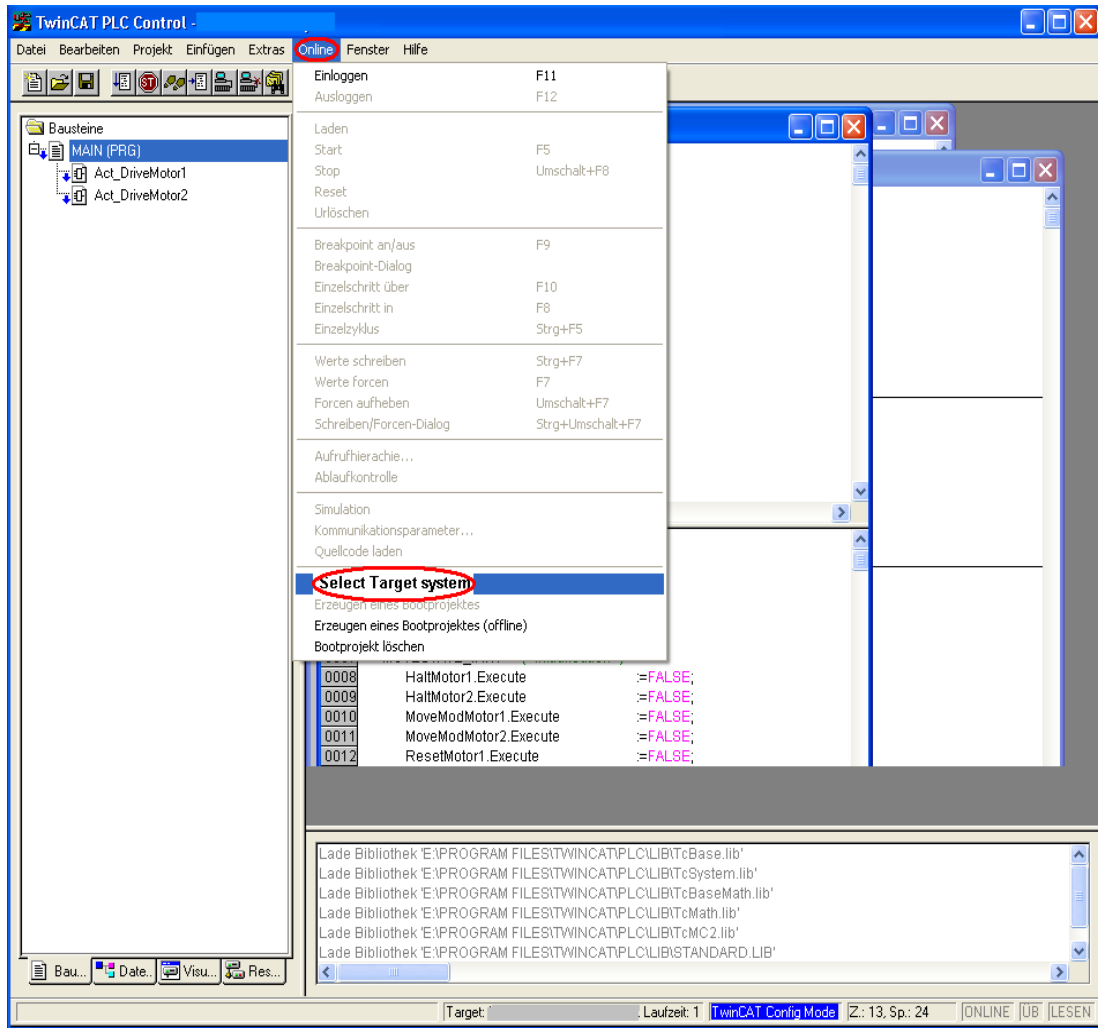


Figure 7.- PLC selection of target system.

After that press on the “Online” menu the option “Log in”; than on the same menu select “Create a boot project”, now the application is able to run.