

New interface system CAT <-> BBlogger

Features and advantages of the CAT under DX Commander protocol:

- Communication through LAN: in this way the CAT can be installed even on a second PC, provided that this PC is connected to the network.
- More copies of BBlogger can be connected to same CAT at same time.
- With CAT it's possible to drive BBlogger and also WSJT-X, JTDX e MSHV and all softwares that support the DX Commander CAT.
- Possibility to use the DX Commander by DX Labs CAT
- Possibility to enable/disable the connection with CAT from Data QSO window.
- Possibility to change frequency and mode from Data QSO window without passing through the CAT

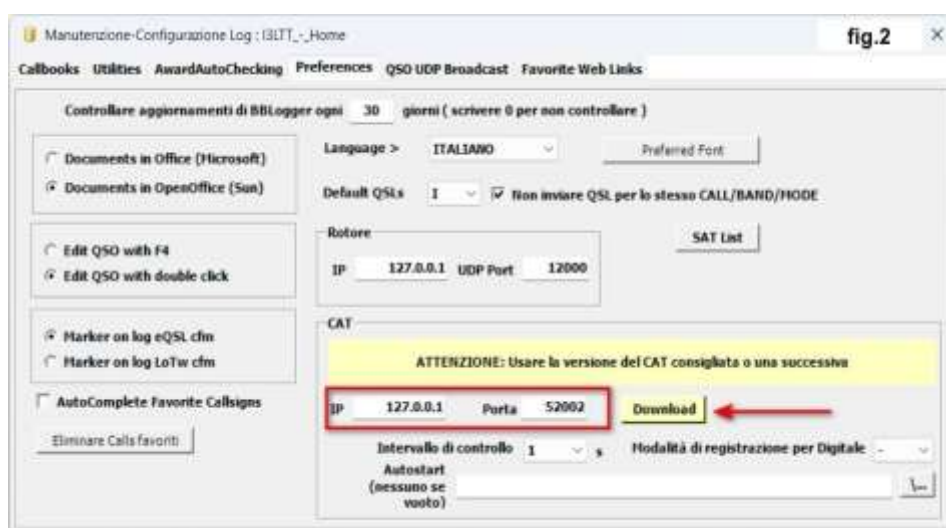
Installation of the CAT BKT

- From Tools→Configuration/Maintenance→Preferences.

OR from Tools→ CAT Configuration (pic nr.1)

- Click on Download (pic nr. 2) and select the CAT software that best suits your device (pic nr. 3).

Check the requested version of the CAT or download the most recent one.



Configuration (pic nr. 2)

- If the CAT and BBlogger are both on same PC, leave the default IP 127.0.0.1 otherwise write the IP number of the PC where the CAT has been installed.

- Set same port used by the CAT (52002 as default)

- Control interval: is the time in seconds in which BBlogger asks the data to the CAT (default: 1").

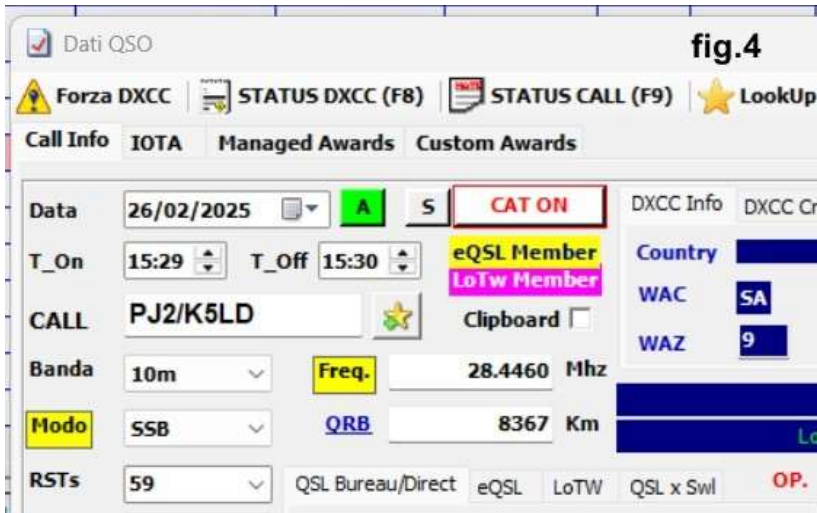
- Autostart (optional but NOT recommended): write the path of the CAT exe file in order to run it together with BBlogger

- Digital record mode: select the mode sent to BBlogger when the transceiver is on Data, leave (-) to select the mode from BBlogger

→ Select: Tools->ENABLE CAT CONNECTION if you wish the CAT automatically enabled from the QSO Data window (pic nr. 1)

USE of the CAT (BKT or DX Commander)

- In the QSO Data window (pic nr. 4) press the key CAT ON/CAT OFF to enable/disable the CAT



- When the CAT is ON, the Freq and Mode labels backgrounds turn yellow. That means when clicking on these labels the transceiver is set on the frequency or on the mode selected in BBlogger

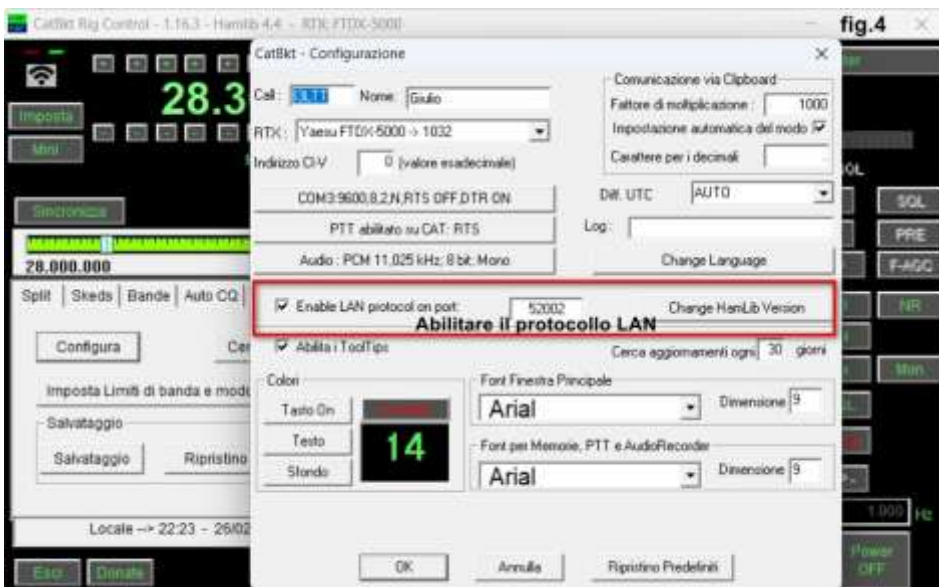
- The frequency must be written in MHz with max 4 decimals (standard BBlogger format, same as the Packed Cluster one)

- If the mode is not one of the classic modes list, the transceiver will be set on USB Data (if supported)

CatBKT Configuration

The configuration parameters toward the transceiver don't change, the correct COM port, the speed (in Baud) and all the CAT needs to communicate with your transceiver must be properly selected. All is same as before, except...

What is changed? The data interchange between CatBkt and BBlogger now is via LAN.



CatBkt must be configured to communicate with BBlogger via LAN.

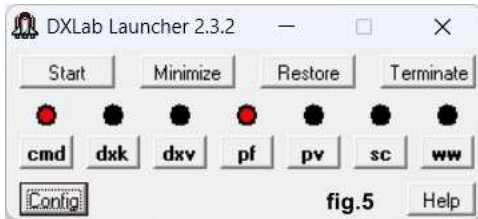
The port number is pre-selected: 52002, same as that you can see in the pic nr. 2.

Once Enabled and running the CAT in BBlogger (pic nr. 1), the transceiver and the CAT can communicate and the data interchange is granted.

No more configurations are needed.

DX Commander CAT.

The DX Commander CAT is part of a software suite developed by DXLab Application, whose download web page is at this address: <https://www.dxlabsuite.com/commander/download.htm>



DX Launcher can install the utilities you need.

The pic nr. 5 show this Launcher program.

The black dot means the software is not installed.

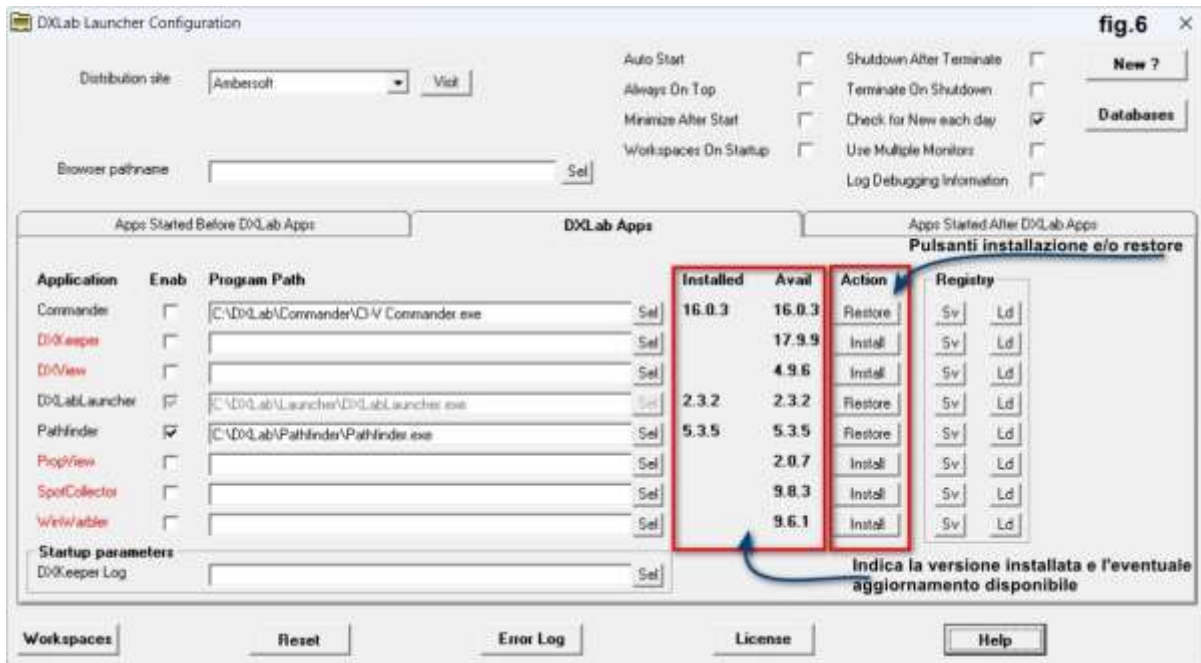
The red dot means the software has been installed but it isn't running. Clicking on the key below a red dot, changes the colour to green and that means the software is running.

Another click on the same key makes the dot changing to yellow, and that means the software is still running but its window has been minimized on the Windows apps bar.

Same result can be got clicking on the Minimize key, and clicking on Restore key the window returns active on the desktop.

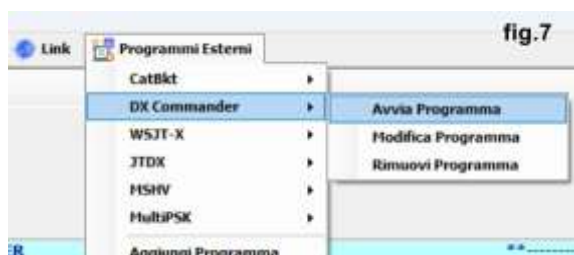
DX Commander installation.

Click on Config key to open the windows shown in pic nr. 6:



In this module you can choose the software you wish to install, or, in case it's already installed but not properly working, you can repair it with Restore (as shown in the right red rectangle).

Clicking on Install key, the procedure of installation will start. Once the installation has been finished, a message will tell you the number of the version and if there's a newer release available: in this case just hit the "Avail" key and the software will be updated.



If you don't want to use DX Launcher to start the program, same result can be got from the menu of BBlogger "External Softwares", a new feature of the 11.0 release of BBlogger. (pic nr. 7)

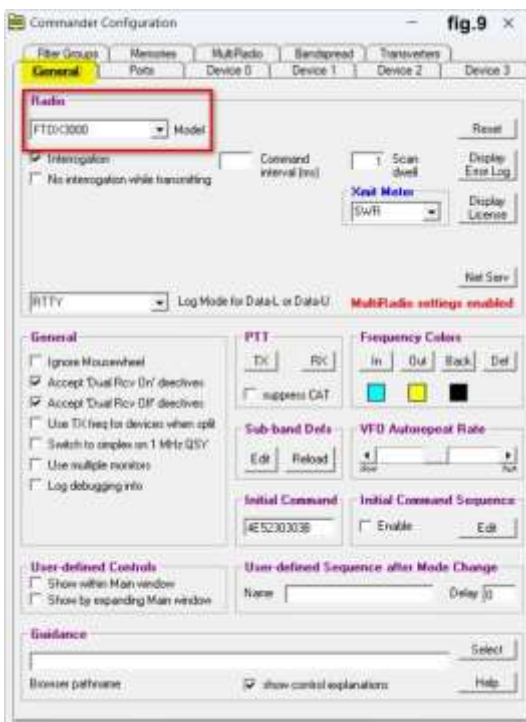
The menù can be edited, so you can add, modify and delete the softwares.

DX Commander configuration.

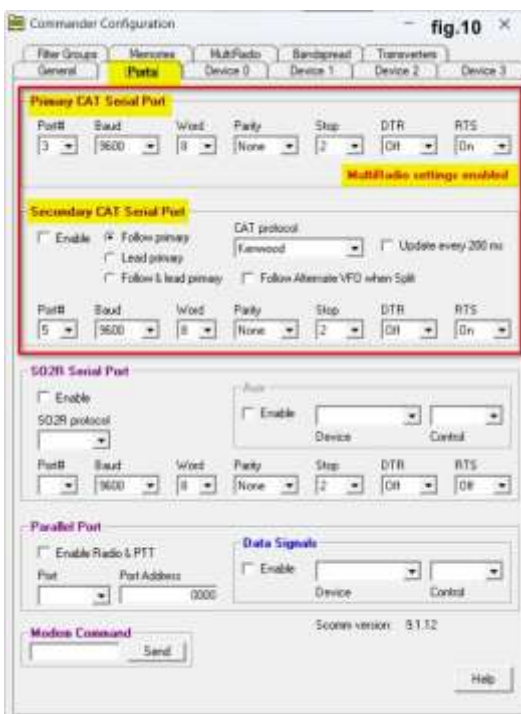


The pic nr.8 shows the DX Commander main window. As you can see, in CAT two transceivers have been configured, but it's possible to configure up to four transceivers in the CAT.

Next step: click on the Config key and insert the parameters of your transceiver(s).



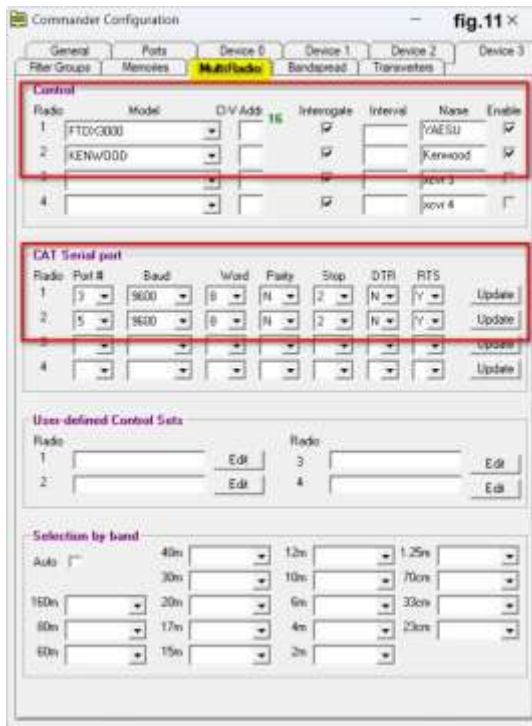
First window (pic nr. 9) is: **General**. Here you can select the model of your transceiver [e.g. Yaesu FTdx3000]



Second window (pic nr. 10) is **Ports**. In this window it's possible to set the communication parameters of the transceiver. Usually they are automatically read, but sometimes they have to be checked. They are:

- Port number
- Speed in Baud
- Parity
- Stop
- DTR
- RTS

The image shows the MultiRadio function, with a Primary CAT and a Secondary one.



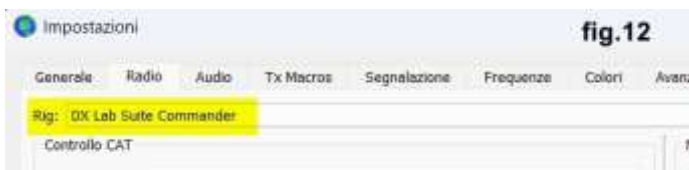
The pic nr. 11 shows the **MultiRadio** window, where the transceiver(s) and the serial port parameters can be set. Enable the transceiver(s) clicking on proper checkbox.

E.g.: in this module two transceivers have been enabled.

The coupling DX Commander <-> BBLogger (pic nr. 2) is made via LAN and the parameters IP and PORT are pre-selected as follows: IP: 127.0.0.1; PORT: 52002

If you use CAT and BBLogger on same PC leave the pre-selected IP: 127.0.0.1 otherwise write the IP of the PC where the CAT program has been installed.

WSJT-X, JTDX and MSHV

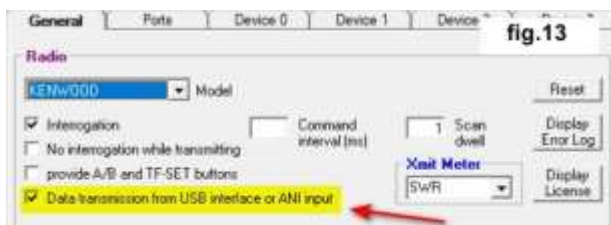


The RIG to select is that shown in the pic nr. 12 (**DX Lab Suite Commander**) and **NOT** the model of the transceiver.

For More info please refer to the handbook **Wsjt_I version 2**

Please Notice:

If your transceiver is a Kenwood, a checkbox like that shown in pic nr. 13 will appear:



The passage of the audio signal is possible only if the option "Data transmission from USB interface or ANI input" is selected.