

BLUE OCEAN VDR / S-VDR

Checking the communication with capsule

McMurdo capsules – installation and programming

This short brief describes how you can test that the capsule is communicating with the main unit. We suppose that the hardware installation has been done according to the capsule manual!

First a short description of the procedure:

- Put the SVDR in Service Mode
- Start the Windows explorer
- Check the capsule

When running normally the SVDR does not allow a system shutdown or restart. These are controller by one of the program modules called **WatchDog.exe**. You can move between running programs by pressing Alt-Tab

When the **WatchDog** runs in normal mode (default) the Task Manager is locked and no unauthorized user can access the system or its functionality. In order to gain access the service engineer must select the Service mode and provide the proper password to unlock this mode.



The default password is “COMAS”

As soon as the password is accepted new buttons appear and the options menu becomes active.



The Super User can prohibit the WatchDog from constantly restarting the critical applications by unselecting the **Respawn S-VDR** label. When exiting, the WatchDog automatically locks the Task Manager. To prohibit that select the **Set Exit Without Locking** label.

So the actions are:

- Select Service Mode
- Enter password
- Press enter
- Select "Set Exit without Locking"
- Deselect "Respawn SVDR"
- Select "Exit Program"

Now the Watchdog closes.

- Press Alt-Cntrl-Del: the task manager opens
- Select: Applications->New Task
- Enter "explorer" (if it is not already in the text box)

Now the explorer starts and the system functions as a normal PC.

Now we check the communication with capsule

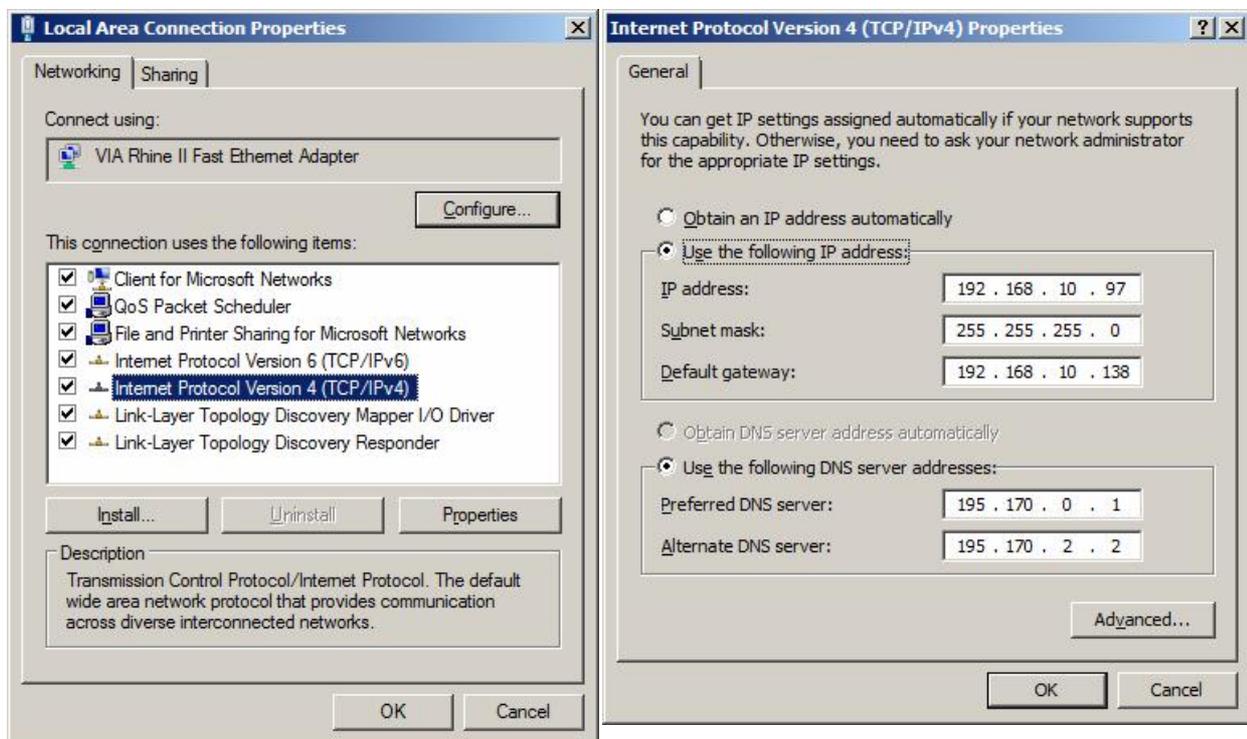
- McMurdo as a network drive

The McMurdo capsule looks to the system as a network drive. The Blue Ocean SVDR is set to automatically detect a McMurdo drive. If a need arises to change or test the configuration:

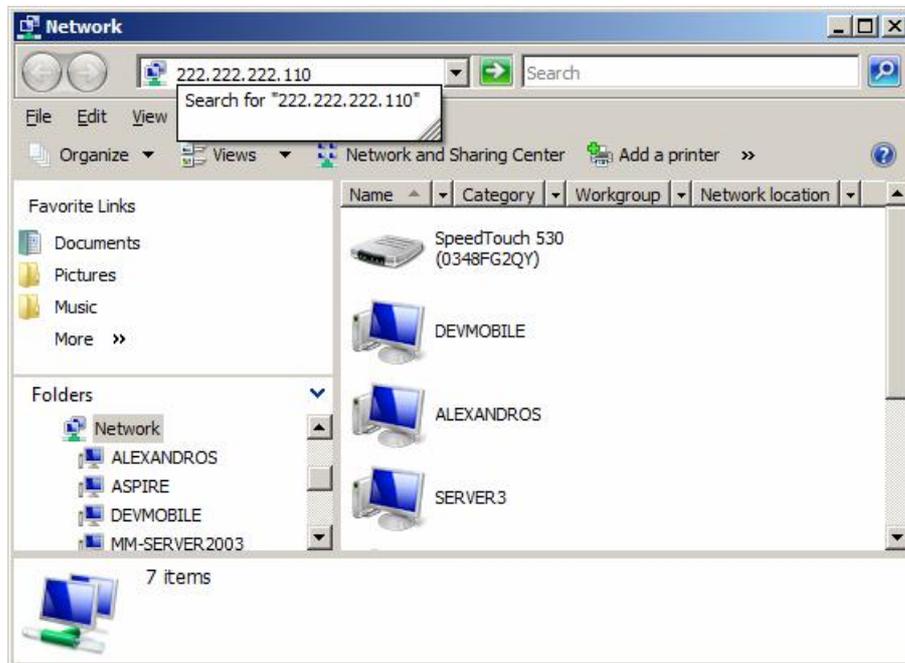
This is the way to test a McMurdo Capsule:

a. Check the PC IP address. Normally it is set to 222.222.222.30 Or similar. If you suspect that somebody messed with the system check it.

If it not in the 222.222.222.xxx range, set the IP address of the PC to 222.222.222.38 (Control Panel->Network->TCP/IP properties)



b. Open Windows explorer. Set address to look at 222.222.222.110. This is the McMudro address. You should see a server named s-cdr_ffc with one (2 GByte capsule) or two drives (4 Gbyte capsule), disk1 and disk2



- c. Map e:\ to disk1 and f:\ to disk2 (or to disk1 if there is no disk2)
- d. create an SVDR directory to all available drives. This tests that the capsule obeys commands from the system.

If all above work without problems you have a good capsule installation!

After successful installation the capsule **MUST** be programmed with ship data, if not delivered already programmed. Never program a McMurdo capsule under the sun. The light blinds the photodiode.