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.

🛃 WatchDog		
Options		
Mode Selection	Active Mode	
C User mode	USER	
C Supervisor mode		
Service Mode		
/ SVDR2 / FM2 / Star	ting Folder M / SG1 / Sta	rting SysGuard
Password		

The default password is "COMAS"

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

💀 WatchDog	
Options	
Change Password	
✓ Respawn SVDR	art SVDR
Set Exit without Locking	eboot
Exit Program	
	Shutdown

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->TPC/IP properties)

Local Area Connection Properties	Internet Protocol Version 4 (TCP/IPv4) Prope	rties 🤶	
Vetworking Sharing	General		
Connect using: VIA Rhine II Fast Ethemet Adapter Configure	You can get IP settings assigned automatically if y this capability. Otherwise, you need to ask your n for the appropriate IP settings.	our network supports network administrator	
This connection uses the following items:	Use the following IP address:		
Client for Microsoft Networks	IP address: 192 . 16	i8 . 10 . 97	
✓ ■ Gos Facket Scheduler ✓ ■ File and Printer Sharing for Microsoft Networks	Subnet mask: 255.25	5.255.0	
Internet Protocol Version 6 (TCP/IPv6)	Default gateway: 192 . 16	i8 . 10 . 138	
 Link-Layer Topology Discovery Mapper I/O Driver Link-Layer Topology Discovery Responder 	C Obtain DNS server address automatically		
Install Uninstall Properties	Preferred DNS server: 195 . 17	0.0.1	
Description	Alternate DNS server: 195 , 17	ro. 2. 2	
Transmission Control Protocol/Internet Protocol. The default wide area network protocol that provides communication across diverse interconnected networks.	Advanced		
OK Cancel		OK Cancel	

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.