



AMI MARINE (UK) LTD

VOYAGE DATA RECORDER

And

SIMPLIFIED VOYAGE DATA RECORDER

VR2272B with AMI Capsule

OPERATING MANUAL

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Document Issue	Date	Modification Number (where applicable) Brief Record of Change and Reason for Change
Iss01	18.01.06	Original Issue
Iss02	08.03.06	Update Display Messages and Download Procedure
Iss03	25.10.07	Change TCP/IP address of External Port
Iss04	14.05.08	Change of Address
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Iss05 Rev01	18.03.14	Change of address

NOTE:

All alterations must be verified by re-authorisation and approval of the complete document.

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CONTENTS

1.	MEU OPERATOR CONTROLS.....	7
1.1	Switching on	7
1.2	Push to save data.....	7
1.3	Push to acknowledge alarm.....	7
1.4	Push to activate Microphone test.....	7
1.5	Switching off	7
1.6	Battery UPS KW914-B with the Sailor PSU (VDR).....	8
1.7	Battery UPS KW914-C (SVDR)	8
2.	MEU TEXT DISPLAY and REMOTE ALARM.....	8
3.	MAINTENANCE.....	13
3.1	Weekly	13
3.2	Annual Certification Check	13
4.	FAULT DIAGNOSIS.....	14
4.1	POWER Faults.	14
4.1.1	AC FAIL:.....	14
4.1.2	LOW VOLTS:	14
4.1.3	LOSS OF POWER:	14
4.2	AUDIO Alarms.....	15
4.2.2	LEVEL AUDIO FAIL:	15
4.2.2	LOW LEVEL AUDIO:	15
4.2.3	MIC FAIL:.....	15
4.3	'NO GPS' ALARM	16
4.4	CAPSULE Alarms.	16
4.4.1	PDC Fail	16
4.4.2	HVR Thread Fail	17
4.5	EP and COM2 Faults.....	18
4.6	WinMgmt.exe has caused an Error	21
4.7	CDP Showing Diagnostic Messages.....	21
4.8	Windows Starting But Freezing or the Desktop Disappears.	22
5	VDR: Data Recording Check & Data Download:.....	23

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OPERATOR INSTRUCTIONS

Under normal operational conditions the Voyage Data Recorder will not require any operator actions once it has been switched on.

1. MEU OPERATOR CONTROLS

1.1 Switching on

Turn the Key Switch Clockwise. – The System will boot-up.
Normal indications are:

Front Panel	Power on LED above the Key.
Display Panel	Active Process and Status Messages. (See message table)
Status LEDS	Indicate the data inputs activity e.g. GPS. Indicate the data output activity. Indicate any alarm present.

The Status LED's will flicker; this is normal for data activity.

1.2 Push to save data

Push the button until the message (SAVING. LET GO. WAIT) is displayed. This will save the last 12 hours of information to the local hard disk drive. The saved data can then be downloaded onto a Laptop or PC through the LAN as soon as practicable. This can be done several times depending on the capacity of the HDD. The data must be downloaded immediately as if there is another incident and the SAVE function is used again it will delete any data that is older than 12hours.

1.3 Push to acknowledge alarm

Push to acknowledge and mute the audible alarm.
The visual alarm may remain active.
After 10 minutes the visual alarm does not clear, reset the system by rebooting the system.

1.4 Push to activate Microphone test

Push to activate a manual test.

1.5 Switching off

Turn the key to the vertical position. The audible alarm will sound and the ERROR led will flash. The audible alarm can be muted. The system will take approximately 45 seconds to de energise the relays and remove the power.

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1.6 Battery UPS KW914-B with the Sailor PSU (VDR)

Normal indications are:– Green = Battery Trickle Charge (Normal)

NOTE: When the system is not in use i.e. Docking Period you must switch of the UPS internally to help prevent battery discharge.

1.7 Battery UPS KW914-C (SVDR)

Normal indications are:– Red = Battery Trickle Charge (Normal)

NOTE: When the system is not in use i.e. Docking Period you must switch of the UPS internally to help prevent battery discharge.

2. MEU TEXT DISPLAY and REMOTE ALARM

The Unit displays the status messages and will also indicate the reason for an alarm. The remote unit will alert the Bridge staff with an audible ad visual alarm. The audible alarm can be muted from the Remote unit.

Status messages indicate the status and reason for an alarm.

M3 Messages under normal operation.*Process Line:*

INITIALISING FA:FA (System Starting)
 RECORDING HH:MM (System Recording to Capsule and Time UTC)
 RADAR PICTURE SAVED (Radar Frame Grab Successfully Saved)
 AUDIO FILE SAVED (Audio File Successfully Saved)
 NMEA DATA FILE SAVED (NMEA File Successfully Saved)
 AIS / EXP DATA SAVED (AIS / Expansion Port Data File Successfully Saved)

Status Line:

VDR TIME HH:MM (VDR System Time as set by UTC)
 AC POWER STATUS OK (AC Power is Present and OK)
 DC INPUT VOLTS OK (DC Volts is Nominal. OK)
 NO ALARMS ACTIVE (There are No System Alarms Present)
 MIC TESTS OK 111 111 (Mics 123 456 have Tested OK)
 MEASURING AUDIO LEVEL (Measuring Audio Levels for Groups 1 & 2)
 AUDIO LEVEL OK ## % (Result of the Audio Levels Test)
 CAPSULE COMMS OK (Communications with Capsule Successful)
 GPS DATE & TIME RCVD (GPS data is Present and OK)
 EP COMMS OK (Communications from the Embedded Processor Successful)

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M3 Messages under SAVE DATA operation.*Process Line:*

HOLD TO SAVE DATA 0A *(Countdown To Begin SAVE)*
 SAVING. LET GO. WAIT *(SAVE Started)*
 LAST 12HRS SAVING *(Message Will continue to appear until completion of SAVE)*
 RECORDING HH:MM *(System Recording to Capsule and Time UTC)*
 SAVED 12HRS DATA *(On completion of SAVE approximately 10min)*

Status Line:

NOTE! *(Will be blank during countdown)*
 SAVING LAST 12HRS *(SAVE Process is Ongoing)*
 VDR TIME HH:MM *(VDR System Time as set by UTC)*
 AC POWER STATUS OK *(AC Power is Present and OK)*
 DC INPUT VOLTS OK *(DC Volts is Nominal. OK)*
 NO ALARMS ACTIVE *(There are No System Alarms Present)*
 MIC TESTS OK 111 111 *(Mics 123 456 have Self Tested OK)*
 MEASURING AUDIO LEVL *(Measuring Audio Levels for Groups 1 & 2)*
 AUDIO LEVEL OK ## % *(Result of the Audio Levels Test)*
 CAPSULE COMMS OK *(Communications with Capsule Successful)*
 GPS DATE & TIME RCVD *(GPS data is Present and OK)*
 EP COMMS OK *(Communications from the Embedded Processor Successful)*

M3 Messages under TEST MIC operation.*Process Line:*

TESTING AUDIO INPUTS *(CDP is Testing the Status of Each Microphone)*

Status Line:

VDR TIME HH:MM *(VDR System Time as set by UTC)*
 AC POWER STATUS OK *(AC Power is Present and OK)*
 DC INPUT VOLTS OK *(DC Volts is Nominal. OK)*
 NO ALARMS ACTIVE *(There are No System Alarms Present)*
 MIC TESTS OK 111 111 *(Mics 123 456 have Tested OK-1 indicates an OK Status)*
 MEASURING AUDIO LEVL *(Measuring Audio Levels for Groups 1 & 2)*
 AUDIO LEVEL OK ## % *(Result of the Audio Levels Test)*
 CAPSULE COMMS OK *(Communications with Capsule Successful)*
 GPS DATE & TIME RCVD *(GPS data is Present and OK)*
 EP COMMS OK *(Communications from the Embedded Processor Successful)*

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M3 Messages under Fault Conditions.**AC FAIL***Process Line:*

RECORDING HH:MM (System Recording to Capsule and Time UTC)
 AUDIO FILE SAVED (Audio File Successfully Saved)
 NMEA DATA FILE SAVED (NMEA File Successfully Saved)
 AIS / EXP DATA SAVED (AIS / Expansion Port Data File Successfully Saved)
 NOTE! (NOTE! that during operation on Battery NO RADAR files are saved)

Status Line:

AC POWER FAILURE ! (AC Power has Failed and is now on Battery Backup)
 VDR HAS ALARM STATE! (There is a System Alarm Present)
 VDR ON BATTERY #### (Indicates time in seconds the System has been running on Battery)
 DC INPUT VOLTS OK (DC Volts is Nominal. OK)
 VDR TIME HH:MM (VDR System Time as set by UTC)
 MIC TESTS OK 111 111 (Mics 123 456 have Tested OK-1 indicates an OK Status)
 MEASURING AUDIO LEVL (Measuring Audio Levels for Groups 1 & 2)
 AUDIO LEVEL OK ## % (Result of the Audio Levels Test)
 CAPSULE COMMS OK (Communications with Capsule Successful)
 GPS DATE & TIME RCVD (GPS data is Present and OK)
 EP COMMS OK (Communications from the Embedded Processor Successful)

HDD or MOTHERBOARD FAIL*Process Line:*

NO COM2. TRY RESTART (System Messages from M3 via COM2 are Missing)
 NOT RECORDING (M3 Program or Windows has Halted not Running)

Status Line:

VDR HAS ALARM STATE! (There is a System Alarm Present)
 AUDIO SYSTEM ALARM ! (There is an Audio Alarm Present)
 VDR TIME FF:FF (VDR System Time is Missing from M3)
 AC POWER STATUS OK (AC Power is Present and OK)
 DC INPUT VOLTS OK (DC Volts is Nominal. OK)
 MIC TESTS OK 111 111 (MICs 123 456 have Tested OK)
 MEASURING AUDIO LEVL (Measuring Audio Levels for Groups 1 & 2)
 LEVL TEST FAIL FF % (Result of the Audio Levels Test Indicating No Response from M3)
 EP FAILED NO COMMS ! (Communications from the Embedded Processor Missing)

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MIC FAIL*Process Line:*

RECORDING HH:MM (System Recording to Capsule and Time UTC)
 RADAR PICTURE SAVED (Radar Frame Grab Successfully Saved)
 AUDIO FILE SAVED (Audio File Successfully Saved)
 NMEA DATA FILE SAVED (NMEA File Successfully Saved)
 AIS / EXP DATA SAVED (AIS / Expansion Port Data File Successfully Saved)

Status Line:

VDR HAS ALARM STATE! (There is a System Alarm Present)
 AUDIO SYSTEM ALARM ! (There is an Audio Alarm Present)
 MICTEST FAIL 011 111 (The Status of MIC1 indicates a Failure)
 VDR TIME HH:MM (VDR System Time as set by UTC)
 AC POWER STATUS OK (AC Power is Present and OK)
 DC INPUT VOLTS OK (DC Volts is Nominal. OK)
 MEASURING AUDIO LEVL (Measuring Audio Levels for Groups 1 & 2)
 AUDIO LEVEL OK ## % (Result of the Audio Levels Test)
 CAPSULE COMMS OK (Communications with Capsule Successful)
 GPS DATE & TIME RCVD (GPS data is Present and OK)
 EP COMMS OK (Communications from the Embedded Processor Successful)

AUDIO Interface FAIL*Process Line:*

RECORDING HH:MM (System Recording to Capsule and Time UTC)
 AUDIO FILE SAVED (Audio File Successfully Saved)
 NMEA DATA FILE SAVED (NMEA File Successfully Saved)
 AIS / EXP DATA SAVED (AIS / Expansion Port Data File Successfully Saved)

Status Line:

VDR HAS ALARM STATE! (There is a System Alarm Present)
 AUDIO SYSTEM ALARM ! (There is an Audio Alarm Present)
 VDR TIME HH:MM (VDR System Time as set by UTC)
 AC POWER STATUS OK (AC Power is Present and OK)
 DC INPUT VOLTS OK (DC Volts is Nominal. OK)
 MIC TESTS OK 111 111 (MICs 123 456 have Tested OK)
 MEASURING AUDIO LEVL (Measuring Audio Levels for Groups 1 & 2)
 LOW LEVEL AUDIO 00 % (Result of the Audio Levels Test Indicating Low or No Audio Level)
 CAPSULE COMMS OK (Communications with Capsule Successful)
 GPS DATE & TIME RCVD (GPS data is Present and OK)
 EP COMMS OK (Communications from the Embedded Processor Successful)

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M3 Program Halts & Restarts*Process Line:*

RECORDING FF:FF (System Recording to Capsule and Time UTC)
 RESTARTING E.P. (M3 Program had Halted and the CDP is Restarting the System)
 ALL OK (M3 Program has Successfully Restarted)

Status Line:

VDR HAS ALARM STATE! (There is a System Alarm Present)
 AUDIO SYSTEM ALARM ! (There is an Audio Alarm Present)
 AC POWER STATUS OK (AC Power is Present and OK)
 DC INPUT VOLTS OK (DC Volts is Nominal. OK)
 MIC TESTS OK 111 111 (MICs 123 456 have Tested OK)
 MEASURING AUDIO LEVL (Measuring Audio Levels for Groups 1 & 2)
 AUDIO LEVEL OK ## % (Result of the Audio Levels Test)
 CAPSULE COMMS OK (Communications with Capsule Successful)
 EP COMMS OK (Communications from the Embedded Processor Successful)

M3 Reports NO GPS*Process Line:*

RECORDING HH:MM (System Recording to Capsule and Time UTC)
 AUDIO FILE SAVED (Audio File Successfully Saved)
 NMEA DATA FILE SAVED (NMEA File Successfully Saved)
 AIS / EXP DATA SAVED (AIS / Expansion Port Data File Successfully Saved)

Status Line:

VDR HAS ALARM STATE! (There is a System Alarm Present)
 GPS DATA NOT RCVD ! (GPS data is missing)
 VDR TIME HH:MM (VDR System Time as set by UTC)
 AC POWER STATUS OK (AC Power is Present and OK)
 DC INPUT VOLTS OK (DC Volts is Nominal. OK)
 NO ALARMS ACTIVE (There are No System Alarms Present)
 MIC TESTS OK 111 111 (Mics 123 456 have Self Tested OK)
 MEASURING AUDIO LEVL (Measuring Audio Levels for Groups 1 & 2)
 AUDIO LEVEL OK ## % (Result of the Audio Levels Test)
 CAPSULE COMMS OK (Communications with Capsule Successful)
 GPS DATE & TIME RCVD (GPS data is Present and OK)
 EP COMMS OK (Communications from the Embedded Processor Successful)

M3 Messages Miscellaneous.*Process Line:*

RECORDG ON HDD HH:MM (System Recording to System HDD as No Capsule Fitted and UTC)

Status Line:

CAPSULE IS DISABLED (There is No Capsule Fitted or has Been Removed from System)

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3. MAINTENANCE**3.1 Weekly**

MEU: Ensure the POWER ON LED is on and the GPS LED shows activity.

MEU: The Status Display cycles through the various Messages.

UPS KW914-B: Open the door, ensure the Green indicator light is in operation.
Check vent is clear.

UPS KW914-C: Ensure the Red indicator light is in operation. This can be viewed after removal of the front cover.

CAPSULE: Clean the ends of the Dukane Beacon and check for corrosion.

3.2 Annual Certification Check

The following will be conducted by an AMI Authorised Inspector/Engineer.

Power Supply Alarm Check

Reserve Power Source Check

Reserve Power Source shut down Check

Battery Expiry Dates

Acoustic Beacon

Physical Condition of Equipment

Interfaces: Operation and recording

Manufacturer's Analysis of Downloaded Data

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4. FAULT DIAGNOSIS**4.1 POWER Faults.***Test Equipment:*

- Digital Multimeter.

Test Cables:

NONE

Check Connections from KW914-C PSU to VR2272-B MEU.

Ensure KW914-C socket SK5 is connected to VR2272-B socket SK2 correctly.

Check AC Power input to KW914-C is 110V or 220V.

Check that the selector switch is set correctly for the AC Power - 110VAC or 220VAC.

4.1.1 AC FAIL:*Status Line:*

AC POWER FAILURE ! *(AC Power has Failed and is now on Battery Backup)*

If non emergency event, check the AC supply. Restore as soon as possible.

If the AC is present check the possible false mains fail by shorting IC7 pins 8 to 10 on the CDP board. A temporary fix to bypass the alarm is switch the system off and solder a thin wire between IC7 pins 8 to 10. Replace IC7 as soon as possible.

4.1.2 LOW VOLTS:*Status Line:*

LOW VOLTAGE ! *(DC Supply and/or Battery Backup is Failing)*

If the AC supply has failed then this indicates that the batteries are not charging and the PSU must be checked.

If the AC supply is still present then the voltage from the Ship is below the threshold to sustain the system and charge the batteries.

4.1.3 LOSS OF POWER: (System switched ON but is not operating)

Reset-able fuses protect the VR2272B system from overloads.

1. Ensure the system key is switched off i.e. in the vertical position.
2. Open the door of the Main unit and remove the cover to the MEU unit.
Remove the 24V Supply SK1.
3. After 5 minutes restore the 24volt Supply SK1 and LED16 is lit replace the MEU cover.
4. Switch system on and return to normal status.

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4.2 AUDIO Alarms.

Test Equipment:

NONE

Test Cables:

NONE

4.2.2 LEVEL AUDIO FAIL:

Status Line:

LEVL TEST FAILED FF% *(Result of the Audio Levels Test Indicating No Audio Level)*

The level FF means the message with the level report from the M3 software to CDP has failed to arrive at CDP and has timed out.

Suggest check ribbon cable connections.

Absolute 0% steady audio level for 17 minutes will lead to a restart.

4.2.2 LOW LEVEL AUDIO:

Status Line:

LOW LEVEL AUDIO 00 % *(Result of the Audio Levels Test Indicating Low or No Audio Level)*

Possible during very quite night watches. Talk into a microphone to clear the Fault. If fault persists contact AMI or a Certified Dealer for further procedures.

4.2.3 MIC FAIL:

Status Line:

MICTEST FAIL 011 111 *(The 0 Status of MIC1 indicates a Failure)*

Possible during very quite periods.

Talk into or tap the suspect microphone to clear the Fault.

If fault persists activate the Audio test by pressing the Test Button. This will complete after approximately 3-5 minutes.

At the Audio board swap the suspect input for a known good MIC. If the alarm fault stays on the suspect port and does not follows the MIC.

Replace chip is IC3 SN74HCT240N.

To replace it cut every pin on the chip, so each pin can be removed individually without risk of damaging the PCB.

The greatest risk of damaging this chip is miswiring the MIC so that 12v goes onto the mic-test line which connects to IC3.

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4.3 'NO GPS' ALARM*Status Line:*

GPS DATA NOT RCVD ! (*GPS data is missing*)

This indicates that there has been a loss of GPS data from the ships GPS unit.

Check the GPS units that they are switched on and the outputs enabled.

Check cable from the GPS unit.

Check the GPS LED on the front panel of the MEU, if yes restart the system.

4.4 CAPSULE Alarms.*Test Equipment:*

- SVGA Monitor
- USB Mouse
- Digital Multimeter

Test Cables:

NONE

4.4.1 PDC Fail

This indicates that there is a loss of communication between the MEU and the AMI capsule.

Check the version number of the M3 software.

If it is version 2.01 or higher then update version 2.1.1 should be installed

If it is below version 2.0.1 then a reinstall of the M3 version 2.0.1 software should be carried out and version M3 2.1.1 update installed

Connect SVGA monitor and USB mouse.

1. Check 24v DC on SK2 -1 & 2 If not present replace complete MEU.
2. Connect SVGA Monitor and USB mouse.
3. If the HVR Status bar is Red use Windows Explorer to explore the K:\ partition. If this is possible this indicates there is a configuration problem. Contact AMI or Certified Dealer for further procedure.
4. If using Widows Explorer and still unable to access the K:\ partition contact AMI or Certified Dealer for further instructions.

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4.4.2 HVR Thread Fail

If the L3 Capsule has been supplied with the (S)VDR system then it is possible that you will see the 'HVR Thread Fail' error message.

This is due to the L3 Capsule being configured incorrectly.

Please follow the below procedure to correct this error:

Ensure the VR2272-B LAN IP Address is set to 192.168.0.5.
This is done as follows:

Start – Control Panel – Network Connections

Right Click on Local Area Connection and Select 'Properties'

Highlight 'Internet Protocol (TCP/IP)' and select 'Properties'

Select 'Use the Following IP Address'

IP address – 192.168.0.5

Subnet Mask – 255.255.255.0

Default gateway – 192.168.0.2

Open Internet Explorer

In the Address Bar type 192.168.0.2

Click on Flash Setup

When asked enter password "l3hvr"

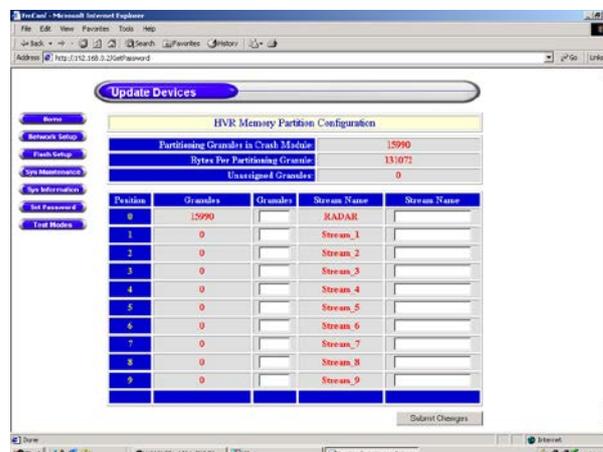
Select Position 0

Change the number of 'Granules' to the same number as seen in 'Partition Granules in Crash Module'

In Stream Name of 'Partition 0' enter the word 'RADAR' - uppercase

Enter '0' in the 'Granules' field of the other partitions.

Submit Changes



This creates a single large partition to which all data will be written.

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4.5 EP and COM2 Faults

NO COM2. TRY RESTART *(System Messages from M3 via COM2 are Missing)*
NOT RECORDING *(M3 Program or Windows has Halted not Running)*

This indicates that there is a loss of communication between the M3 Software /PC and the CDP/MEU. The restart is due to data from COM2 timing out. Check the saved data leading up to the restart. The \$PAMIV messages from the CDP should reveal what was going on. If the M3 software suddenly stops then after a while you should see the restart messages appear on the CDP

The CDP will only restart the motherboard after M3 software fails, or after a power restart.

Test Equipment:

- SVGA Monitor
- Keyboard and Mouse
- On CDP switch 4-5 (Auto Restart Disabled) is on.

Test Cables:

NONE

Fault Correction:

Check 'Output from EP COM2 LED'.

On maximising the M3 program access the 'Config' and ensure that both COM1 and COM2 have 38400 selected.



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Check the Msgs Out to confirm that data is being sent from the M3/EP.



If 'Yes' check the COM2 cable from the EP motherboard to the MIF board.

If the EP data is still missing other possible faults could be:
A Hardware fault or a corrupt HDD.

These will be noticed during Boot Up.

If the system does not boot up check first

If the system starts up ok but after a short delay the message 'No Data On COM2' is displayed then it is possible the File Allocation Table has become corrupt within Windows.

To correct a possible corruption in the File Allocation Table (FAT) on the computer.

Remove the CDP Board cover (with VR2272-B written) to reveal the CDP Board' Switch SW4, 5 to the 'ON' position 'Service Mode' – toward the board. This will disable the auto-restart feature.

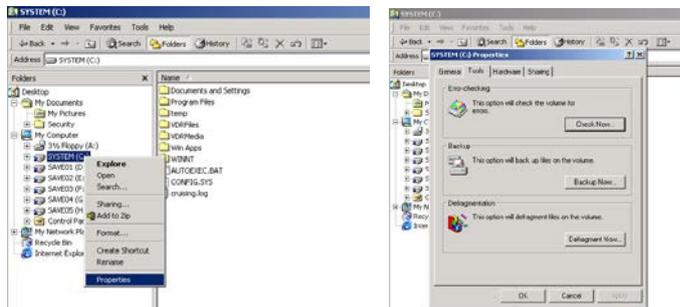
Switch on the VDR system.

Wait for approximately 5 minutes for the system to boot up, if the system alarms mute the Alarm by pressing the AL button

Close the M3 program.

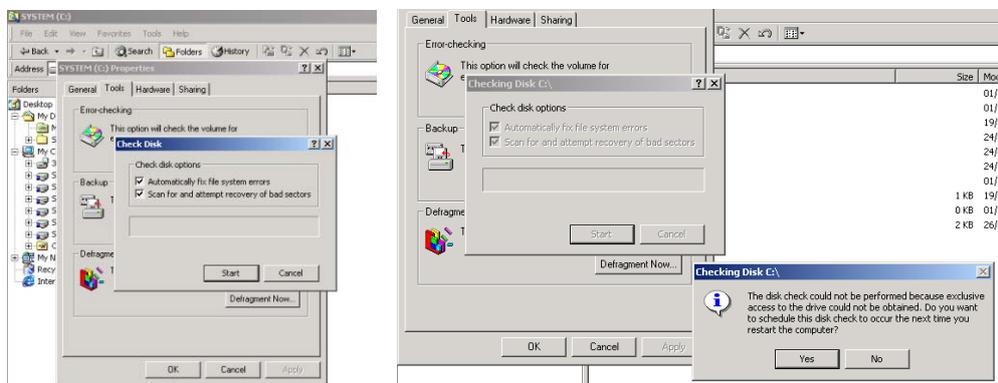
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Open Windows Explorer and select 'My Computer' then right click on C:\SYSTEM and select 'Properties'



Select 'Tools' tab and click on 'Error-Checking' 'Check now' option.

Tick 'Automatically fix file system errors' and 'Scan for and attempt recovery of bad sectors'



Select 'Start' and when pop up says it will start on next 'Start up' click on 'Yes'

NOTE! Do Not Start the System until all Partition have been set for Error Checking.

Repeat the above steps for each of the partitions SAVE01, SAVE02, SAVE03, SAVE04 and SAVE05

Go to 'Start', 'Shut down...' and 'Restart' the computer.

Switch SW4, 5 back to the 'OFF' position to re-enable the auto-restart feature.

Ensure the system is now operating correctly.

Switch off and remove Monitor, Keyboard and Mouse.

Switch the system back on and return VDR to service.

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4.6 WinMgmt.exe has caused an Error

SYMPTOMS

When you start your computer, you may receive the following error message:
Winmgmt.exe has generated errors and will be closed by Windows. You will need to restart the program. An error log is being created.
The error message appears approximately every 30 seconds.

CAUSE

This behaviour can occur if files in the %SystemRoot%\System32\Wbem\Repository folder become corrupted. The error message appears repeatedly because Winmgmt.exe polls the files every 30 to 60 seconds.

RESOLUTION

To resolve this behaviour, delete and then re-create the files in the %SystemRoot%\System32\Wbem\Repository folder:
On the Desktop, right-click My Computer, and then click Manage.
Under Services and Applications, click Services, and then turn off and stop the Windows Management Instrumentation service.
Delete all of the files that are in the %SystemRoot%\System32\Wbem\Repository folder. (Make a backup copy before you delete the files.)
Open Services and Applications, click Services, and then turn on and start the Windows Management Instrumentation service. The files are recreated when the service restarts based on the information provided in the following registry key:

HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\WBEM\CIMOM\Autorecover MOFs

NOTE: Some programs will not add their Managed Object Format (MOF) files to this list, in this case, rebuilding the WMI database may cause those programs to generate errors or fail and may require more troubleshooting of their specific WMI requirements.

4.7 CDP Showing Diagnostic Messages.

The CDP board will normally display the diagnostic messages by continually holding down the AL button i.e.

- VDR Is Authorized
- PROG: CDP42 004AB731
- M3 & CDP STRTS 03 01

If the messages continually appear and the AL button is not being held down then check IC4 pin 11. If +5v change IC4

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4.8 Windows Starting But Freezing or the Desktop Disappears.

If by accident during setting up a second starting of the M3 software it will cause the desktop and icons to vanish also disable the keyboard if attached.

The only solution is to restart and allow the system to recover and check all the configurations have remained intact.

If the system is restarted whilst the 'On screen Keyboard' is active this will cause the system to go into a continuous restart loop.

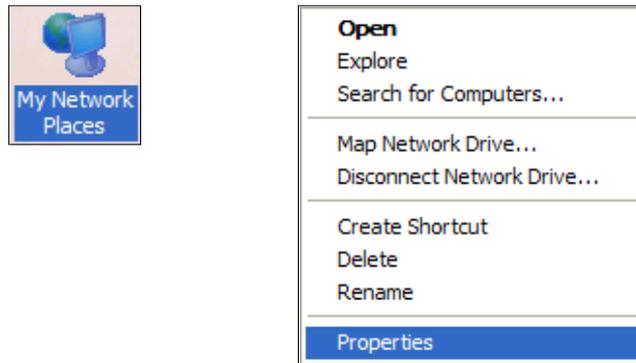
To break into the loop when the Windows has finished booting up press together the 'Cont', 'Alt' and 'Del' keys to access the Task Manager and from here close down the 'On screen Keyboard'.

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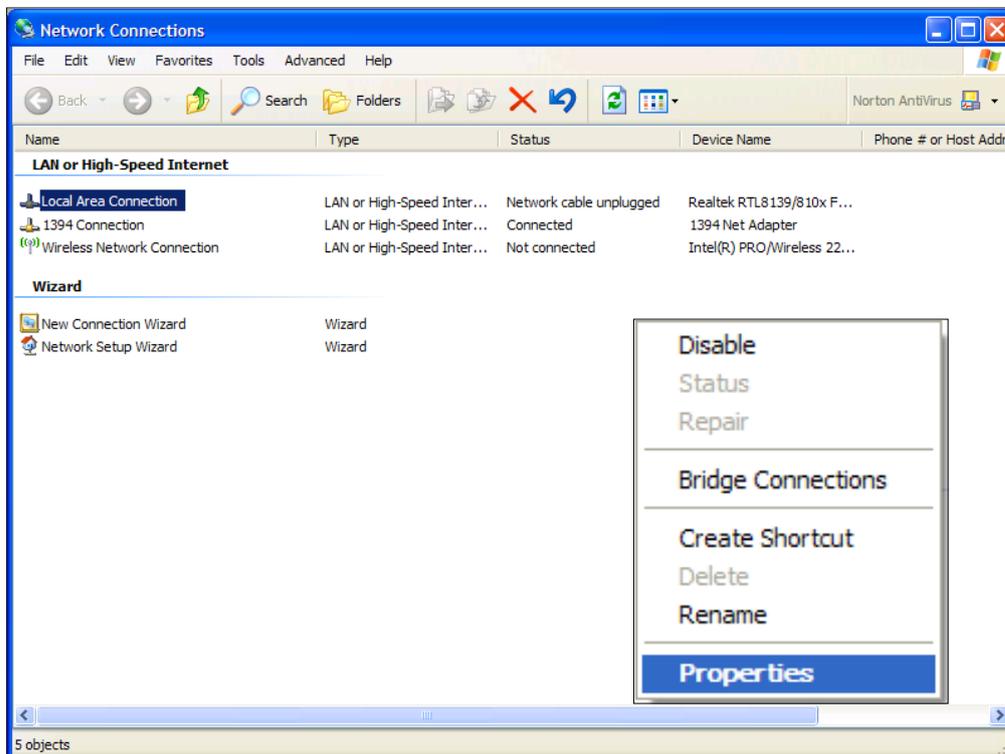
5 VDR: Data Recording Check & Data Download:

Using a laptop and the procedure described below.

1. Change the Network Card properties by the following examples. Right click on My Network Places and select Properties.



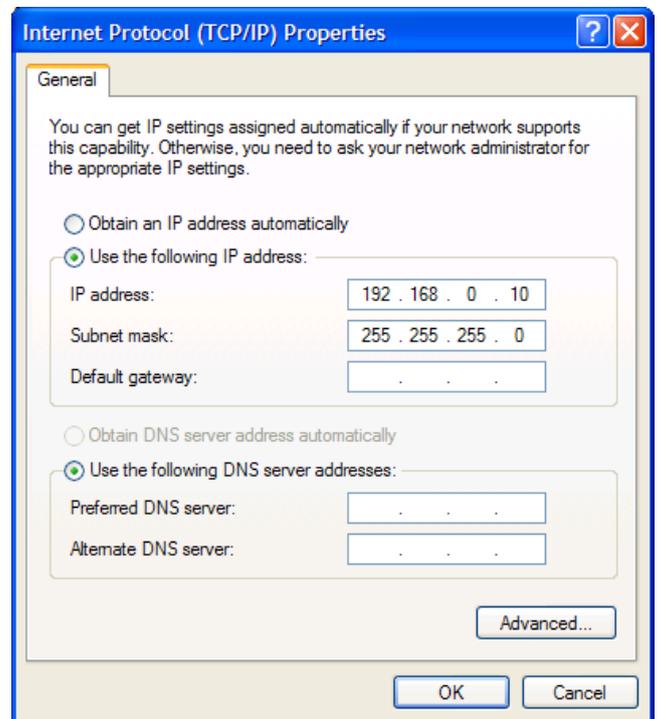
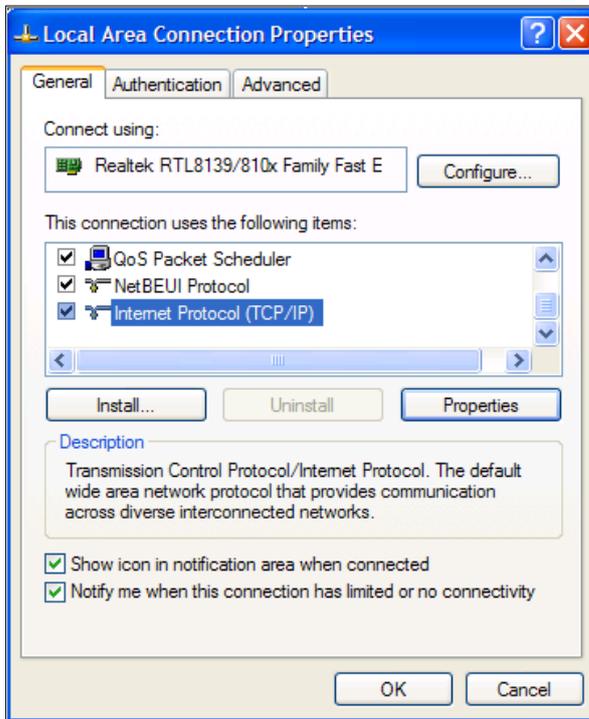
2. Right click on Local Area Connection and select Properties.



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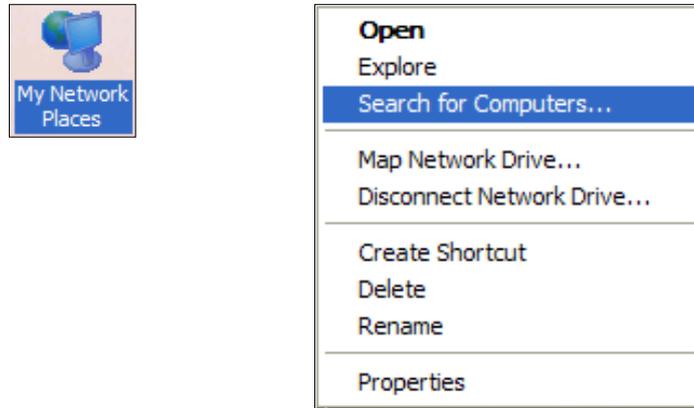
- 3. Left click on Internet Protocol (TCP/IP) and select Properties

- 4. Select 'Use The Following IP Address' and insert the following addresses:
IP Address – 192.168. 0 . 10
Subnet Mask – 255.255.255. 0
Default Gateway – . . .

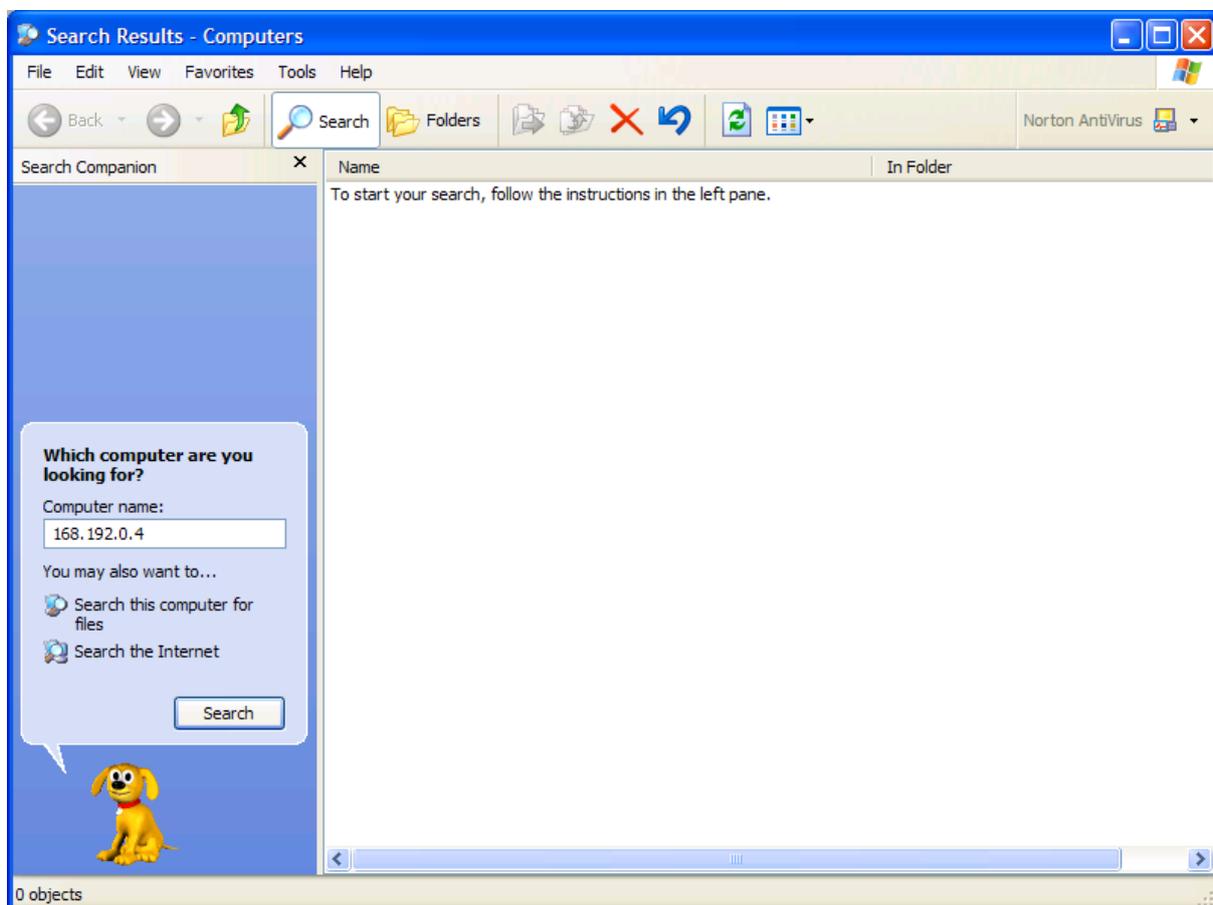


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5. Right click on My Network Places and select Search for Computers.



6. Insert 192.168.0.4 where it asks for a Computer Name.



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7. On completion of the search double click on '192.168.0.4' at which point it will ask for a user name and password.

User Name = CAPTAIN
Password = PugWash

8. Navigate to the required drive. Search through each partition until the required files are located.

The partitions in which the saved files are stored are as follows;

D:/(SAVE01), E:/(SAVE02), F:/ (SAVE03) , G:/ (SAVE04) and H:/ (SAVE05).

J:/ partition is where the data folders are saved from any 'Save Data' operation.

Files are named: *TYP – DATE – TIME*. ZIP

For example SND-12022006-124600.ZIP

VDR-12022006-124600.ZIP

RFG-12022006-124615.ZIP

The date and time shows the time at which recording was started. The Audio and Data files are saved in 60 second blocks, the Radar Capture files are saved on completion of the frame grab, once every 15 seconds. Therefore the above examples will have recorded the data and sound at on the 12/02/2006 and the Radar Frame Grab was recorded 12:46 and 15 seconds.

9. Use the Copy / Paste commands to obtain the required data. Once data has been copied to the laptop remove the Ethernet cable and close the MEU door.
10. Provided the above procedure is followed the system will continue to operate without being disturbed.

****NOTE**:**

Username and Passwords are Confidential and must be kept safe.

This is a security procedure to prevent unauthorised access to the VDR system

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AMI Marine (UK) Warranty; (abbreviated, full version on request)

The Warranty Period is 12 months return to base, parts and labour from date of purchase unless an alternative period has been otherwise agreed in writing.

This warranty shall only apply where the REGISTRATION CARD supplied with the goods has been properly completed and returned to AMI within the period of 21 days from installation.

The registration form can also be downloaded from the AMI Marine website www.amimarine.net

Returns Procedure;

Send an email RE: REQUEST FOR RETURN AUTHORISATION to technical@amimarine.net

Please do NOT send items back to AMI Marine until after you have received a Return Authorisation Response Email instructing you to do so.

Documents to be included;

A copy of the original INSTALLATION REPORT, and a print out of your RETURN MATERIAL AUTHORISATION INFORMATION EMAIL, and enclose both in the return package.

Be sure to pack the returning product securely and according to carrier instructions. Damage incurred during return shipping due to inadequate protection will render the item ineligible for return, repair, or exchange under the Warranty Terms. Items not received by AMI Marine, will not be credited.

MOST authorised returns should be returned to the address below - however there are some exceptions, so DO NOT ship to this address without first reviewing your RETURN AUTHORISATION INFORMATION EMAIL for applicable return instructions:

AMI Marine (UK) Ltd
Unit 9, Crosshouse Centre
Crosshouse Road
Southampton
SO14 5GZ
United Kingdom

A full explanation of AMI Marine (UK) Ltd warranty conditions can be found on our web site or requested via email.

* Terms of Service and Policies are subject to change without notice.



Please complete and return to AMI Marine either by post to the above address or by email to technical@amimarine.net

Warranty Registration Form	
Model Number	
Serial Number	
Date of Purchase	
Installation Company	
Vessel Name	
IMO Number	