Documentation for Voyage Master II, III
VDR Upgrade Kit

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## Revision record

<table>
<thead>
<tr>
<th>Version</th>
<th>Date</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.0</td>
<td>November 2006</td>
<td>Original issue of document</td>
</tr>
<tr>
<td>1.1</td>
<td>April 2007</td>
<td>Minor revision</td>
</tr>
<tr>
<td>2.0</td>
<td>January 2009</td>
<td>Information related to Voyage Master III included.</td>
</tr>
<tr>
<td>2.1</td>
<td>April 2009</td>
<td>Wrong p/n was shown for boot flash in section 4</td>
</tr>
<tr>
<td>3.0</td>
<td>August 2011</td>
<td>Configuration images updated to V3.1</td>
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1 Scope and purpose
Documentation for Voyage Master II VDR Upgrade Kit

1.1 References
9200249 Installation Manual for Voyage Master II, III S-VDR and VDR
9200314 Installation Manual for Voyage Master II, III Sensor Interface Unit
9200317 Operators Manual for Voyage Master II, III S-VDR and VDR

1.2 Terms and Abbreviations
BAU Bridge Alarm Unit
BMU Bridge Microphone Unit
DAU Data Acquisition Unit
DPU Data Processing Unit (located inside the DAU)
SIU Sensor interface unit
RVI Remote Video Interface
2 Introduction

The VDR upgrade kit includes the parts needed for upgrading a Voyage Master II, III S-VDR to a VDR (an alternative VDR type approval label p/n 3300445 must be ordered separately for upgrading a VMII S-VDR to a VMII VDR).

2.1 Parts list

The VDR upgrade kit includes the following parts.

<table>
<thead>
<tr>
<th>Item</th>
<th>P/N</th>
<th>Description</th>
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<tr>
<td>Sensor Interface Unit (SIU)</td>
<td>1000609</td>
<td>This unit will extend the number of inputs for the system to what is needed for a typical VDR installation.</td>
</tr>
<tr>
<td>Installation kit for SIU</td>
<td>2300172</td>
<td>Parts needed for installation. It contains the connectors needed for the SIU, screws and brackets for fixing the cables.</td>
</tr>
<tr>
<td>Bridge Microphone Unit (Indoor)</td>
<td>1000655</td>
<td>Additional microphone for indoors use.</td>
</tr>
<tr>
<td>VDR program code</td>
<td>7300396</td>
<td>A compact flash with the VDR program code and the VDR standard configuration. The program code in the S-VDR main unit (DAU) must be replaced with this before any configuration of the system in done.</td>
</tr>
<tr>
<td>AUDIO 04-002</td>
<td>2300109</td>
<td>Additional audio acquisition module for the DAU. This module will increase the number of audio inputs to twelve.</td>
</tr>
<tr>
<td>16 way Wago conrecter</td>
<td>4002173</td>
<td>For the AUDIO 04-002 module (Most likely connected to the module already).</td>
</tr>
<tr>
<td>Manuals</td>
<td>9300365</td>
<td>This manual and the installation manual for the SIU.</td>
</tr>
<tr>
<td>VDR type approval label</td>
<td>3301316 (Voyage Master III)</td>
<td>For update of type approval label in the DAU see section 8 An alternative VDR type approval label p/n 3300445 must be ordered separately for upgrading a VMII S-VDR to a VMII VDR</td>
</tr>
</tbody>
</table>
3 Installation of VDR program code, Voyage Master II

The program flash in the data acquisition unit (DAU p/n 1000609) must be replaced with the program flash which comes with the VDR upgrade kit.

1) All power to the DAU must be switched off i.e. all three breakers in the power supply must be popped out.

2) Remove the cover for the program flash with the text “PROGRAM FLASH DO NOT REMOVE”

3) Exchange the program flash. The label showing the p/n part number must be facing up.

4) Install the cover again.
4 Installation of VDR program code, Voyage Master III

The program flash in the data acquisition unit (DAU p/n 1301085-10) must be replaced with the program flash which comes with the VDR upgrade kit.

1) All power to the DAU must be switched off i.e. all both power breakers must be popped out.

2) Remove the cover for the program flash with the text “PROGRAM FLASH DO NOT REMOVE”

3) Exchange the program flash. The label showing the part number must be facing down.

4) Mount the cover again.
5 VDR default configuration

The VDR program flash contains a VDR default configuration, which in most cases is an advantage to start with. But the default configuration will be ignored if the S-VDR system is configured already. It is possible to force the system to use the new default configuration.

1) Check the error codes displayed on the hexadecimal display on the DAU or on the BAU. The system is already using the default configuration if the code “96” is displayed at any time. Alternatively connect a PC to the system (consult the installation manual for DM300/DM500) and this page will be displayed. The system is using the default configuration if the red text “Config Not saved!” is displayed.

2) Login to the system if you need to revert to the default configuration i.e. if the green text “CONFIG_SRC: BF(MAINCFG_INI) - Config saved!” is displayed

3) Select the Configuration submenu.
4) Click on “Clear config”.

5) Reboot the system (this will normally happen automatically).
6 Installation of AUDIO 04-002, Voyage master II

An additional audio acquisition module must be installed in the DAU.

1) Remove the blind panel next to the AUDIO 08-002 module and unhook the cable.

2) Connect the RJ45 connector to the AUDIO 04-002 module.
3) Slide the module into the DPU. Make sure that the module is aligned with the card guides. Be careful - the opening is narrow and the transformer on the module may touch the cabinet slightly.

4) Fasten the module with two M4x8 screws.
7 Installation of AUDIO 04-002, Voyage master III

Follow the procedure described in section 5

Notice, the component side of the PCB must be facing down.
8 Update of type approval label

The type approval label in the DAU must be updated with the new label included in the installation kit (an alternative VDR type approval label p/n 3300445 must be ordered separately for upgrading a VMII S-VDR to a VMII VDR). Place the new label on the original type approval label within the frame.

Important: Be sure to use the right label. The encircled text identify the label (the type approval number and other features may change)