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Configuring the VueLink Module (IntelliVue)

Introduction

This chapter contains information about configuring the VueLink module to accept information from external devices when used with a Philips IntelliVue patient monitor. The configuration process for the *Ventilator* module option is detailed here, but if you are configuring a *Gas Analyzer*, *Auxiliary*, or any other module option, the process is the same.

The chapter starts with a description of the three different categories of device which can be connected to any VueLink Module: *Supported Devices*, *Analog Devices*, and *Open Devices*.

An overview of the configuration process follows, including a *Configuration Checklist*.

Finally, each step in the configuration process is detailed in turn.

Supported Devices, Analog Devices, and Open Devices

There are three categories of external device that can be connected to your VueLink module: *Supported Devices*, *Analog Devices*, and *Open Devices*. A description of each follows:

Supported device: Information about the device (and the signals produced by that device) is preconfigured in the module. Such a device is referred to as a *supported device*, and the information on it is held in a *dedicated device driver* in the VueLink module.

Analog device: Information about the device is initially unknown to the VueLink Module, but the device can be connected via an analog interface. You must manually configure the device information into the module using the menus in Configuration Mode. You must specify signal labels, units, voltage range, value range, and grid settings for every signal produced by the device. These settings are then stored permanently within the VueLink module, in an *analog device driver*. You can also assign a name to the device driver using the handheld keypad.

Open device: These are devices where the outputs have been made compatible with the Philips Open Interface. VueLink module configuration is the same for Open Devices as for Supported Devices.

Each VueLink module option can be configured for *Supported*, *Analog*, and *Open* devices.

Configuration overview

The VueLink Module must be configured during installation. Additional configuration will be required whenever a new device driver is preselected for availability in Monitoring Mode. The configuration process is the same for all VueLink module options. However, the process for configuring the module to accept an analog device is different from that for a supported or an open device. For a description of supported, open and analog devices, refer to "Supported Devices, Analog Devices, and Open Devices" on page 46 in this chapter.

Configuration checklist

The following checklist outlines the basic steps required in configuring the VueLink module. The steps must be carried out in the order given:

__ 1. Select Configuration Mode.

__ 2. Set the VueLink global configuration:

    __ a. Configure the external device alarms to be *accepted* or *ignored*.

    __ b. Select the default color.

    (*Note:* These settings are stored as part of the system configuration, **not** within the module configuration.)

__ 3. Preselect up to three devices.

__ 4. Configure each of the device drivers:

Supported devices and Open devices:	Select signals and colors.
Analog devices:	Assign names, prepare cable, configure wave and numeric channels, configure the alarm channel.

To select Configuration Mode

1. Select **Main Setup**.

2. In the Main Setup menu, select **Monitor**.

3. In the Monitor menu, select **Operating Modes**.

4. In the Operating Modes menu, select **Config**.

5. Enter the password.

    Configuration Password = 71034

6. If the password is entered correctly, then the system switches to Configuration Mode.
    If the password is entered incorrectly the system returns to the Main Screen.

You are now ready to configure the VueLink Module.

Leaving Configuration Mode

Once you have completed all the changes to the configuration of the VueLink module, you must change the operating mode back to Monitoring Mode.

1. Select **Main Setup**.

2. In the Main Setup menu, select **Monitor**.

3. In the Monitor menu, select **Operating Modes**.

4. In the Operating Modes menu, select **Monitoring**.

5. Close the Operating Modes menu.

Setting the Global Configuration

The global settings are stored in the system configuration, not in the module configuration. This means that the settings apply to all external devices that link with the software instance to which you are presently linked. This includes the default color and the alarms.

The default color is the color used for any numerics that are not linked to a particular wave, and for any waves for which no color is specifically configured.

Configuring Alarms

You can specify whether alarms from external devices are to be *accepted* or *ignored* by the Philips patient monitor. If you configure the alarms to be *ignored*, then **no alarms** from external devices are displayed on the monitor.

This is different from the configuration required for an alarm channel on an analog device (see "Step 6: Configure the alarm channel (5 Minutes)" on page 63 for more information).

To configure alarms

1. Press the setup key on the front of the VueLink module.

2. Select **Device Alarms** to toggle the setting (*accepted* or *ignored*). The factory default for device alarms is *ignored*.

Preselecting Devices

Your VueLink module is supplied with a number of device drivers available in Configuration Mode. You **must** preselect one, two, or three devices to be available for use in Monitoring Mode. One of these devices can then be selected during monitoring.

To preselect devices

Note—You must be in Configuration Mode to preselect devices.

1. Press the setup key on the front of the VueLink module.

2. Select **PreselectDevices**.

3. Highlight the device in the list of Choices.

4. Select the left-to-right arrow to add the highlighted device to the list of Selected devices.

   You can preselect up to 3 devices. To deselect a device, highlight it in the list of Selected devices and select the right-to-left arrow.

5. Repeat 3 and 4 until you have selected all of the devices you want to have available in Monitoring Mode (one, two, or three devices).

6. Select **Done** at the bottom of the window to store these settings.

7. Select **Cancel** in the pop-up to recall the previously stored preselections.
   Select **Confirm** in the pop-up to store these settings.

8. The following step should be done later on, in monitoring mode. That way you can be sure that you have the right name for analog devices.

   Attach the adhesive labels containing the names of the devices which you have preselected to the front of the VueLink module. **The adhesive labels MUST be placed on the module in the same order as they appear in the PreselectDevices menu.** (Refer to "Installing the VueLink Module" on page 9 for more details.)

The names of all the supported device drivers contained in the module are listed. The device name "Free Analog Ventltr" is provided for analog devices. (If you have a *Gas Analyzer*, *Anesthesia Machine, Auxiliary* or *Auxiliary Plus* module option, the name "Free Analog GasAlzr", "Free Analog An.Mach" "Free Analog Auxilry" or "Free Analog AuxPlus" will appear here.) The column on the right of the Task Window shows which of the devices are preselected.

Note—The device name "Free Analog..." may appear up to three times in the Preselection Task Window. This allows you to preselect up to three analog devices.

The device name "Test Module" can also appear in this menu. This device driver is for the use of Philips service personnel only.