



Video Products Technical Bulletin 30-2013-037

DATE: **April 1, 2013**

SUBJECT: **HOW TO CONNECT WITH TOUCH PANELS**

MODEL: ***HVO-1000MD***
HVO-1000MD
HVO-3000MT
HVO-3000MT

SERIAL NO: **ALL**

Italicized information in green applies to customers outside the United States.

DESCRIPTION

Recorders running V1.3.0 or higher can be connected to medical monitors and touch panels and operated via touch panel or USB mouse. (For system configurations, see Figures 1 and 2.)

To enable operation with a touch panel or mouse, configure settings as described in the setup procedure on page 3.

Supported Touch Panel Monitors

The following touch panels are supported:

Elo Touchpanel Systems (www.elotouch.com)

ET1528L series (15-inch)

ET1928L series (19-inch)

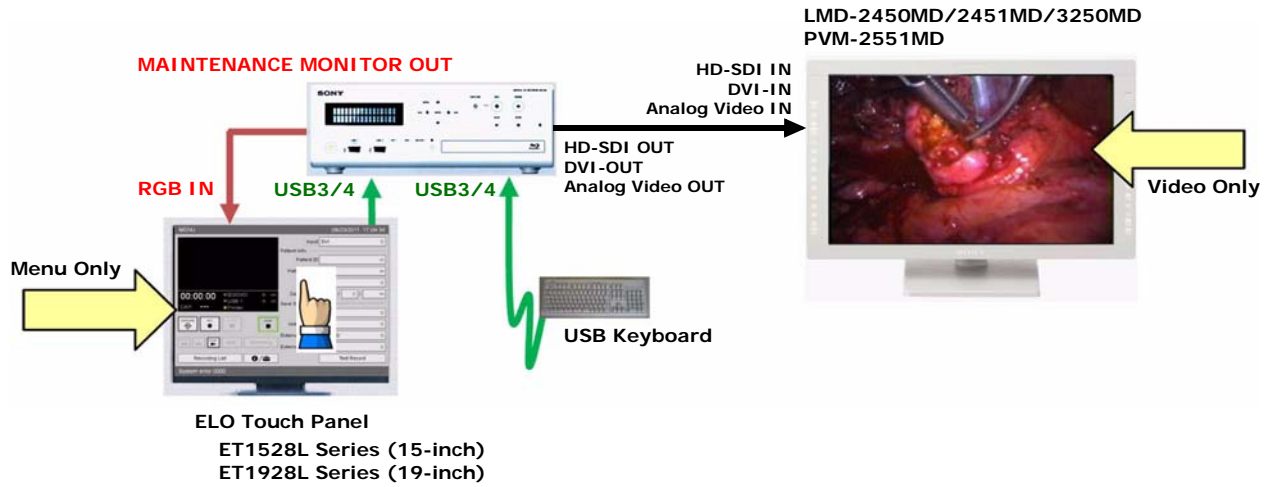
PRECAUTIONS:

- When using the recorder in standard mode, do not connect a monitor or other device to the MAINTENANCE MONITOR connector.
 - When using the recorder in touch panel/mouse mode, connect a monitor with a resolution of 1024×768 or higher. If a monitor with lower resolution is connected, the recorder will not start in touch panel/mouse mode.
 - During touch panel/mouse mode, the up/down and left/right arrow buttons and MENU and ENTER buttons on the front panel and on the infrared remote control unit are disabled.
 - If touch panel/mouse mode is set without connecting a touch panel or mouse, return to standard mode as follows:
 - a. Connect a keyboard, and press the power switch on the front panel of the unit while holding down the o key (small letter "o") on the keyboard.
 - b. When GOOD BYE appears on the front panel display, release the buttons.
 - c. Press the power switch to start the recorder.
 - Calibration must be performed when using a touch panel for the first time. A beeping sound is emitted with each touch of the screen until calibration is complete.
 - The accuracy of touch operation may deteriorate after continued use. In this case, perform calibration again.
 - The calibration settings screen will time out after 30 seconds; perform the setting within 30 seconds.
 - The calibration settings screen is displayed in English.
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EXAMPLES OF SYSTEM CONFIGURATIONS

TOUCH PANEL CONNECTED



MEDICAL MONITOR AND KEYBOARD/MOUSE CONNECTED

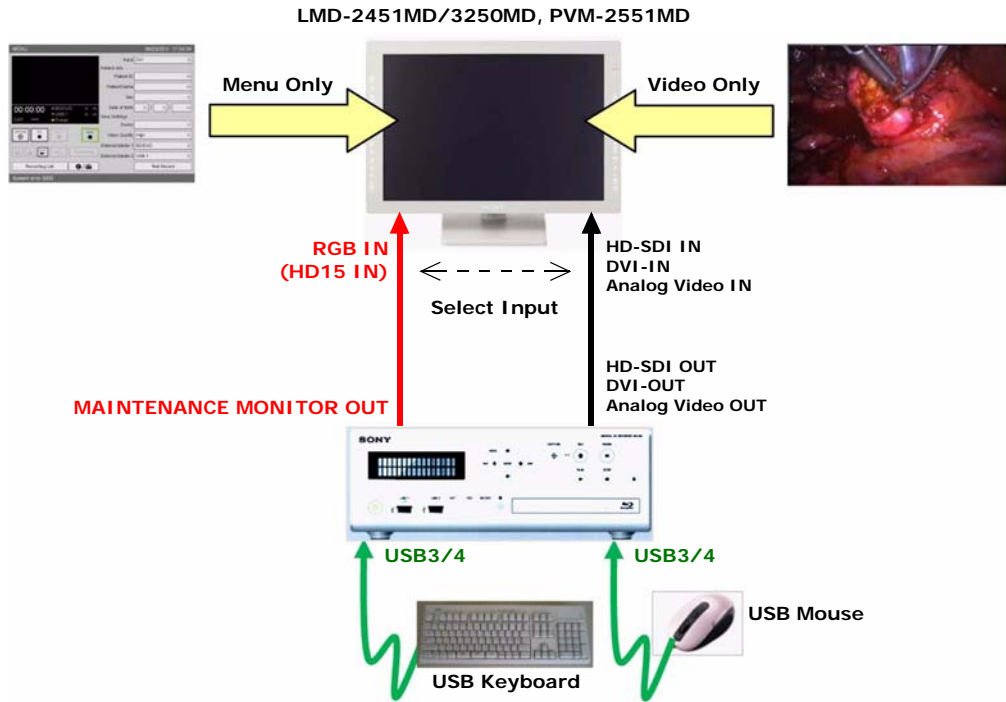


Figure 1

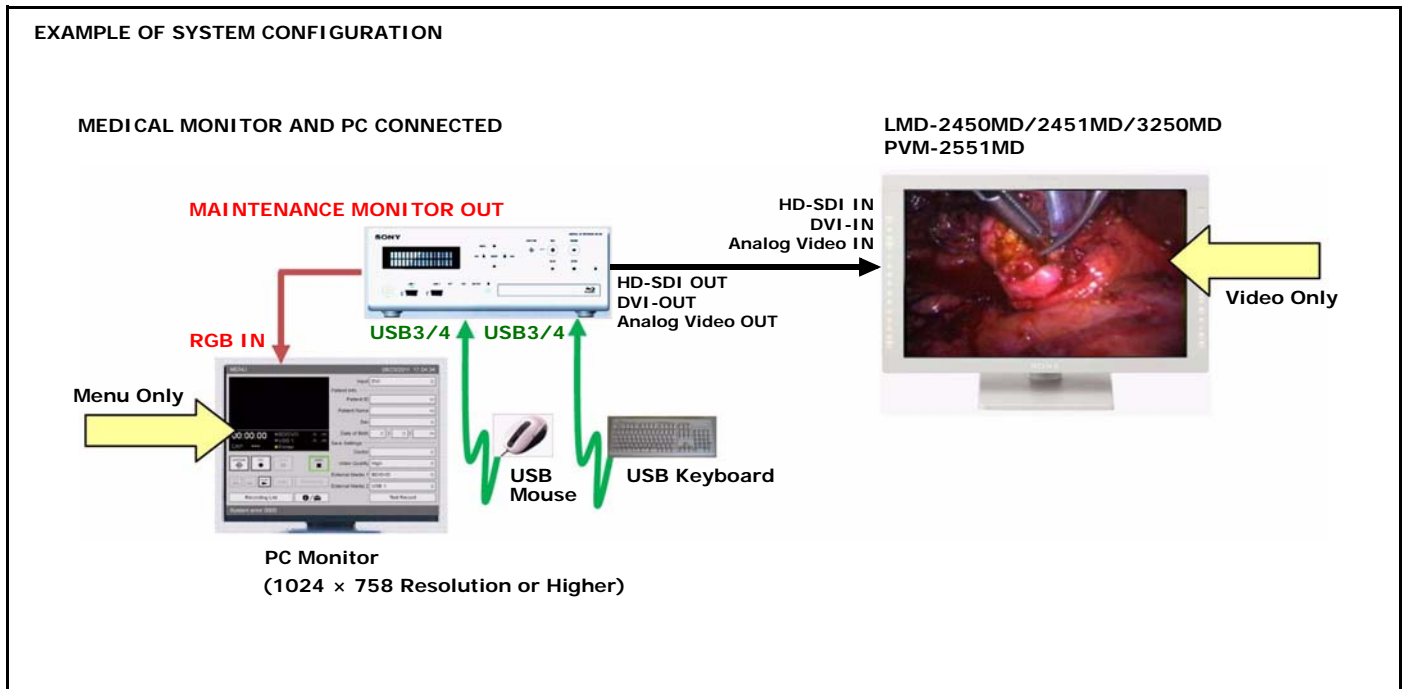


Figure 2

SETUP PROCEDURE

1. Prepare the device to be connected to the recorder, but do not connect the device yet.
2. Set touch panel/mouse mode as follows:
 - a. In the MENU screen, select System Admin Settings, and press ENTER.
 - b. When the confirmation screen appears, press ENTER.
 - c. Select Device Settings, and press ENTER.
 - d. Select the Device tab, and press ENTER.
 - e. Select USB 3 or USB 4 (the port used to connect the device), and press ENTER.
 - f. Use the arrow buttons to select Touch Panel/Mouse, and press ENTER.
3. Configure settings as follows:
 - a. Select the Advanced button, and press ENTER.
 - b. In the Touch Panel/Mouse Settings screen, select whether or not to display a cursor and perform calibration.

Examples

For touch panel mode:

Display Cursor	No
Calibration	No

NOTE: Calibration must be performed when using a touch panel monitor for the first time.

For mouse mode:

Display Cursor	Yes
Calibration	No
 - c. Select the Apply button, and press ENTER.
 - d. Select OK, and press ENTER when the following message appears:

You must restart the unit to apply these settings. Connect the monitor you intend to use before turning the unit on again. Do you want to turn off the unit now?
 - e. Select Yes. The recorder turns OFF automatically.

- f. Confirm that the recorder is OFF, connect the device to the MAINTENANCE MONITOR connector and USB 3 or USB 4 port.
 - g. Press the power switch on the front panel of the recorder to turn it ON.
4. Perform calibration as follows:
- a. When turning on the recorder after performing the steps above, the screen in Figure 3 appears.

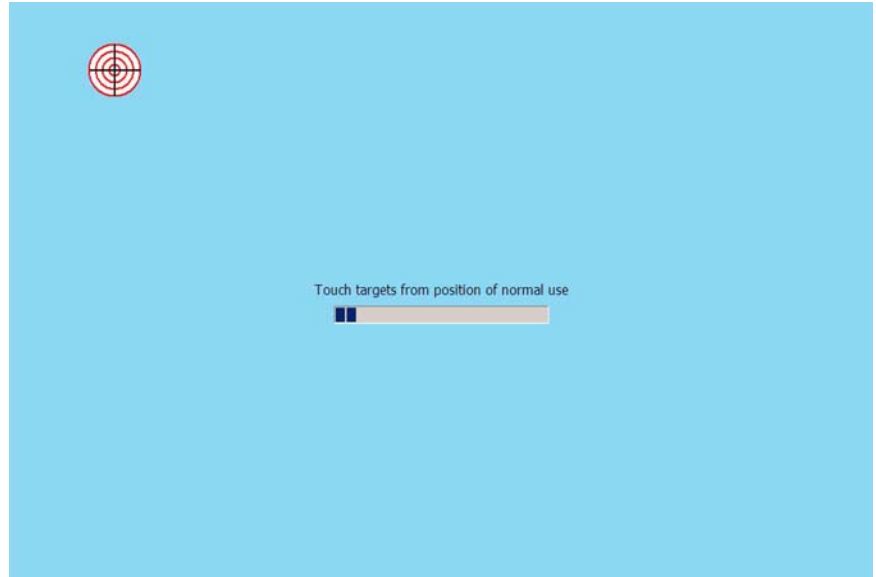


Figure 3

- b. Touch the center of the red target icon.
- c. Touch the red target icon each time it appears in the top left, bottom right, and top right of the screen.
- d. Touch the left check mark button (See Figure 4.)

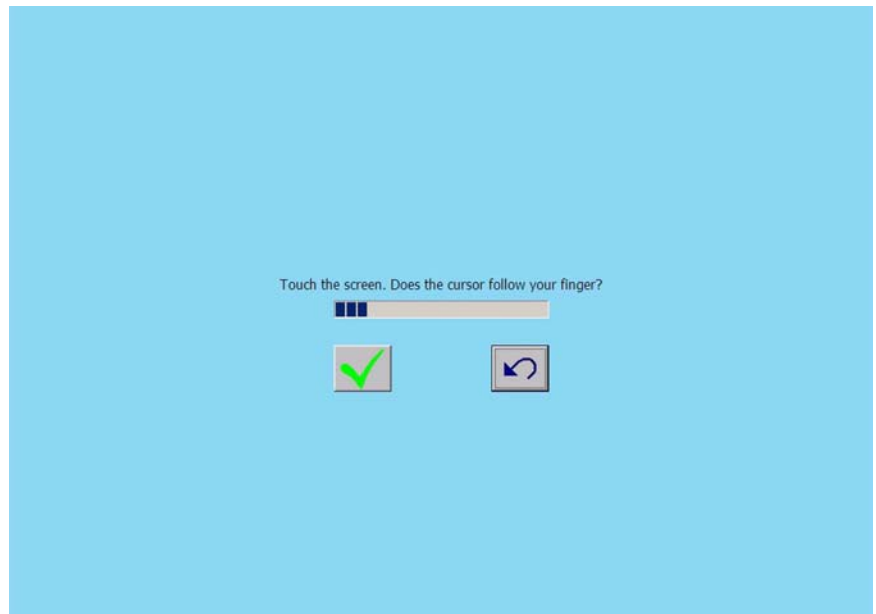


Figure 4

The recorder restarts automatically.

- e. Touch confirm when the calibration is complete.
(See Figure 5.)

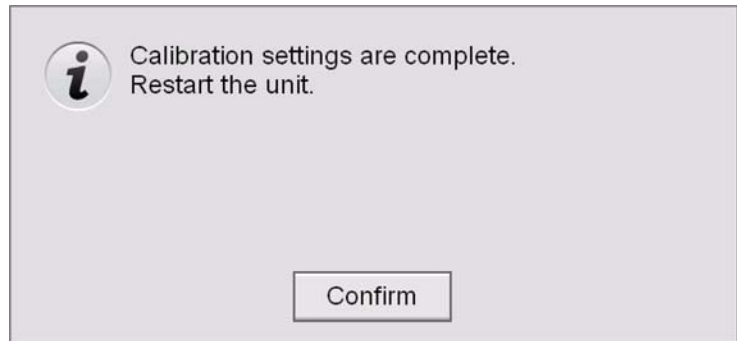


Figure 5

The GUI appears on the touch panel.