

Part One:

About the ESCORT Guardian™

The ESCORT Guardian™ telemetry transmitter is the next generation of wireless point-of-care multi-parameter patient monitoring. The Guardian is capable of providing you with continuous measurement of dual-lead ECG and the addition of the SpO₂ module supports continuous pulse oximetry measurement, either continuously or at intervals.

The Guardian unit is worn by the patient, providing free ambulation for your patients. It monitors supported vital signs and transmits that information to ESCORT II series bedside monitors and to the Vision Central Station.

Before Using the Guardian

Make sure to use the Guardian only when it has been inserted into its clear vinyl pouch. This disposable pouch helps protect the unit from dirt and moisture while at the same time allowing access to the display

and the keys. Place the unit in the pouch (part number 403539-0000) and thread the patient belt (part number 403538-0000) through the loops on the back of the pouch. The belt can then be positioned on the patient however is most practical and comfortable. Both the pouch and the belt are designed to be disposable. Contact MDE to order more, as necessary.

Interacting with the Guardian Telemetry Transmitter

The ESCORT Guardian™ telemetry transmitter is designed with an easy-to-use interface. There are four keys on the front of the transmitter that you will use to make selections from a series of sequential menus to interact with the Guardian. You indicate which menu options you want to select by touching buttons on the Guardian's keypad.

To Do This...	Touch This...
To turn on the LCD	Menu
From within the menu structure, to back up to the previous menu	Menu
To display the main menu	Menu (Press and Hold for one second)
To move through menu selections, touch the right arrow until the desired option is flashing.	Arrow
To select the currently highlighted menu option.	Enter
To initiate a remote recording	Record

A selected option flashes; an option that is currently in effect is marked with an asterisk (*). In this guide a direction to “select” an options means to highlight it with the arrow key and press Enter.

Using the Key Pad Lock Out Feature

In order to prevent patients from changing transmitter settings, the Guardian keypad is equipped with a locking feature. When the keypad is locked, all keypad functions are disabled except the Remote Record function which operates normally.

The keypad will lock each time the LCD is powered on. If the LCD is configured for continuous operation, the keypad will lock after 90 seconds of inactivity. The keypad will also lock any time you enter the Configuration Setup menu.

When the keypad is locked, the unit will display a lock icon in the upper left corner. No icon is displayed when the keypad is unlocked.

Unlocking the Keypad

To unlock the keypad any time it is locked, press and hold the right arrow button for 3 seconds. The lock icon will disappear and the keypad will function normally. Keep in mind that any time you select **Conf** functions, the keypad will lock and you will need to unlock it by holding down the arrow key for 3 seconds before you can proceed.

Powering Up the Guardian

1. Insert a 9 volt (alkaline or lithium) battery into one or both of the battery chambers. Make sure the negative pole (-) is facing up. The negative pole is the larger of the two poles.
2. Once the battery is inserted, the Guardian transmitter will display its power-up menu, which will display for approximately 30 seconds, or until you press a button to initiate a function.
3. The power-up menu will display the currently set transmitter channel and the software version contained in the transmitter. Figure 1-2 depicts what you will see.

CHANNL=G12	
V01000000	2

Figure 1-1 *Guardian Power Up Menu*



Note: If the channel field contains “???” this means that configuration information has been lost and you must reprogram a channel. Refer to “Configuring the Guardian” in Part 5 of this guide for information on how to reprogram the transmitter’s channel.

Powering off the Guardian

The Guardian’s power remains on as long as a battery is in place in the battery chamber. To power-off the Guardian for long-term storage or non-use, remove the battery. Refer to Part 5 of this guide for instructions on how to use the Guardian’s power stand-by mode.

Additional Guardian Accessories

A range of accessories are available to support your use of the Guardian unit. Refer to these part numbers when ordering:

Description	Part Number
SpO ₂ Ext. Cable 3 Ft.	3350200-0081A
SpO ₂ Cable Adult Univ. 3 Ft	350200-0082A
SpO ₂ Cable Peds. 2 Ft. Disp. 10 Pack	350200-0083A
SpO ₂ Cable Adult 2 Ft. Disp. 10 Pack	350200-0078A
SpO ₂ Cable Adult 3 Ft.	350200-0077A
Sensor, SpO ₂ Ped. Finger Clip, Non-invasive	350200-0079A

Description	Part Number
9v Alkaline Battery	384000-0153A
9v Lithium Battery	384000-0229A
Clear vinyl pouch	403539-0000
Patient belt	403538-0000
Operator's Guide	43592-0000

Caring for the Guardian Unit

Although use of the Guardian's accompanying vinyl pouch will help keep it clean, periodically, you should clean the unit. Follow these guidelines:

- Use only a lint free, nonabrasive cloth which has been slightly dampened with a mild detergent. A glass cleaner or a non-alcoholic based solvent is recommended.
- Avoid harsh cleaning solutions such as isopropyl alcohol or other solvents that might harm plastic surfaces.
- Do not immerse the unit or any of its components in liquid.
- Do not spray liquids directly onto the Guardian.
- Do not allow liquids to penetrate the connectors or the Guardian's case.

