
Appendix G: Wireless Communication

Wireless Network Communication Interface

The *Veris* 8600 telemetry technology allows for RF communication up to 10 meters in the Faraday cage utilizing 2.4 gigahertz RF communication. The main monitor and remote display support a wireless network communication interface according to the 802.11b standard.

Operation

WARNING

- Do not take the remote display into the MR Scanner room. The remote display contains ferromagnetic material and can be strongly attracted to the magnet causing a safety hazard.

CAUTION

- If using an external display or any serial connections with the remote display, special cables with ferrites must be used. See “Accessories” in Appendix D for the correct cables to use with these applications.
pn 3013528: Serial cable with ferrites for the remote display
pn 3013529: Video cable with ferrites for the remote display

The remote display is an option to the *Veris* Cardiac and Anesthesia configurations. The remote display is standard on the *Veris* BasePlus configuration. The remote display looks similar to the main monitor that is in the MR room. The remote display must be in the control room and communicate to the main monitor via a wireless or hardwire serial connection. The remote display offers a way to control the *Veris* main monitor from the control room without going into the MR room. The remote display and main monitor are synchronized; what displays on the main monitor displays on the remote display at the same time. For example, if the user changes an alarm setting, both units display the *ALARMS* menu and the change as it takes place.

When the remote display is turned on, it displays the message *Please Wait Until Synchronization* until it synchronizes with the main monitor. The main monitor sends its configuration, trend, and current screen configuration data to the remote display. This causes the main monitor and the remote display to be in the same state with the same data.

NOTE: The remote display and main monitor cannot synchronize if they are at different software revisions. If the main monitor and the remote display cannot synchronize because the software revision is different, then the remote display displays the message *Remote and Main have incompatible Software*.

After the main monitor and the remote display synchronize, the remote display mirrors what the main monitor is doing. The main monitor is the master. An icon displays in the heart rate (HR) parameter box, on both the remote display and the main monitor, to show that the main monitor and the remote display are communicating. (For more information on the heart rate parameter box, go to "ECG BOX" on page 2-9.)

If communications are lost, the remote display displays the message *Please Wait Until Synchronization* and the units cycle through the synchronization process again after communications are restored. The communication icon on the main monitor (in the heart rate parameter box) does not display until communication is restored.

The remote display contains the internal printer. For more information on printing, see "Printing and Data Ports" in Section 12.