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Setting Up the Equipment

Setting up this system consists of the following steps:

- 1. "Inserting the Battery"
- 2. "Connecting the AC Power"
- 3. "Connecting the Patient Cable"
- 4. "Connecting the Barcode Reader"
- 5. "Connecting the LAN Option"
- 6. "Connecting the WiFi Option"
- 7. "Connecting External Devices (Stress Option)"
- 8. "Connecting an Internal Modem"
- 9. "Inserting the Paper"
- 10. "Turning on the System"
- 11. "Configuring the Device"
- 12. "Testing the Device"

Each step is described in more detail in the following sections.

Inserting the Battery

The system is shipped with a lithium ion battery that is charged when inserted into the system connected to AC power.

NOTE:

Do not use the system on battery power until the battery is fully charged, as indicated by the battery charging LED on the keysheet. You may use the system on AC power while the battery is charging.

Connecting the AC Power

This system can run using AC or battery power. When the device is plugged into an AC outlet, it uses AC power and charges the installed battery.



Use the following instructions to connect the system to an AC power outlet.

Item	Description	
1	Female end of the device's power cord connected to the back of the device.	
2	Male end of the device's power cord connected to an AC outlet.	

- 1. Connect the female end of the device's power cord (1) to the AC power connector on the back of the device.
- 2. Plug the male end of the device's power cord (2) into an AC outlet.

NOTE:

It is recommended that you plug the device into an uninterruptible power supply (UPS) or a surge suppressor.

3. Check the Power LED to make sure the device is receiving power form the AC outlet.

Connecting the Patient Cable

This system supports a variety of patient cables.

WARNING:

HIGH-FREQUENCY BURNS — Use of cables not supplied with this equipment can lead to serious injury.

Use only the acquisition cable that ships with this equipment.

CAUTION:

INACCURACIES IN ECG Improper connection can cause inaccuracies in the ECG.

Trace each individual leadwire from its acquisition cable label to the colored connector and then to the proper electrode to ensure that it is matched to the correct label location.



Patient Cables

Item	Name	Description
1	D-Sub 15–pin male connector	Connects to the system's ECG signal input connector. One end of each acquisition cable consists of a D-sub 15–pin male connector.
2	Multi-link Acquisition Cable Leads	The lead end of the multi-link acquisition cable attaches to the leadwire adapters and uses 10 or 12 leadwires.
3	NEHB Acquisition Cable Leads	The lead end of the NEHB acquisition cable attaches to the leadwire adapters and uses 12 leadwires.
4	Value Acquisition Cable leads	The lead end of the value acquisition cable consists of 10 leadwires.

The leadwires require an adapter to connect to an electrode, as shown in the following diagram.



Leadwire Adapters

Item	Description
1	Leadwire end
2	4 mm pin
3	Grabber
4	Mactrode clip

Use the following procedure to connect the patient cable:

1. Assemble the leadwires and adapters.

See "Replacing Leadwire Adapters" on page 166.

- 2. Connect the leadwires to the front of the patient cable.
- Connect the patient cable to the system.
 Ensure the cable is seated securely.

Connecting the Barcode Reader

If the optional barcode reader was purchased with the device, connect it to the USB port on the device.

NOTE:

The BCRD option to use the reader is activated at the factory when the barcode reader is purchased with the device. However, you need to configure the barcode settings for your site before you can use the reader, See Appendix A.

Connecting the LAN Option

If you purchased the LANC (LAN Communication to CardioSoft) or LANM (LAN Communication to MUSE) options, connect an Ethernet cable to the RJ45 network connector on the back of the device.

NOTE:

This applies only if you are using the device as a stationary device. If you are using it as a mobile unit, do not connect the device to a LAN until you are ready to import, transmit, or export records.

This system is compatible with MUSE v7.1.1 and v8.0.1, and with CardioSoft v6.51, v6.61, and v6.71.

Connecting the WiFi Option

If you purchased a WiFi option, connect the WiFi dongle to the USB port available on the back of the device.

WIFC is WiFi Communication to the CardioSoft system.

WIFM is WiFi Communication to the MUSE system.

This system is compatible with MUSE v7.1.1 and v8.0.1, and with CardioSoft v6.51, v6.61, and v6.71.

Connecting External Devices (Stress Option)

If you purchased the stress option *ERGO*, connect the external stress device to the system using a serial cable to the COMM B port on the back panel of the device.

This system works with any of the following devices:

- GE model T2100 treadmill
- GE model T2000 treadmill
- eBike ergometer
- Master's Step (acoustic signal only)

Connecting an Internal Modem

If you purchased this system with the internal modem option, connect the modem to an analog phone line using the RJ11 connector on the back of the device.

MODC is Modem Communication to the CardioSoft system.

MODM is Modem Communication to the MUSE system.

This system is compatible with MUSE v7.1.1 and v8.0.1 and with CardioSoft v6.51, v6.61, and v6.71.

Inserting the Paper

Before you can print ECG reports, complete the following steps:

1. Make sure the system is set up for the correct paper size.

This device can print on the following papers: A4, standard letter (8.5×11 inches), or modified letter (8.433×11 inches).

For information on adjusting the printer for the paper size, see "Adjusting the Tray for Paper Size" on page 168.

2. Insert the appropriately sized paper.

Turning on the System

- 1. Press the power button to turn on the system.
- 2. Verify the system welcome screen is displayed with no errors.

NOTE:

If you encounter any problems powering on the system, see "System Does Not Power Up" on page 176 for further troubleshooting instructions.

Configuring the Device

When the device is ready for operation, configure the system settings using the information in "System Configuration" on page 107.

If you are applying the same settings to multiple devices at the site, export the settings to an SD card and use that card to import the settings to other systems.

Testing the Device

After you have set up and configured the device, test the device completely before using it with patients. Use the following test scenarios:

- Conducting and printing a resting ECG See "Recording a Resting ECG" on page 65 for instructions.
- Conducting and printing an arrhythmia ECG See "Arrhythmia Mode Recording" on page 77 for instructions.
- Conducting and printing a stress ECG. See "Stress Testing" on page 89 for instructions.
- Saving, importing, printing, deleting, transmitting, and exporting records. See "Managing Internal Storage" on page 99 for instructions.