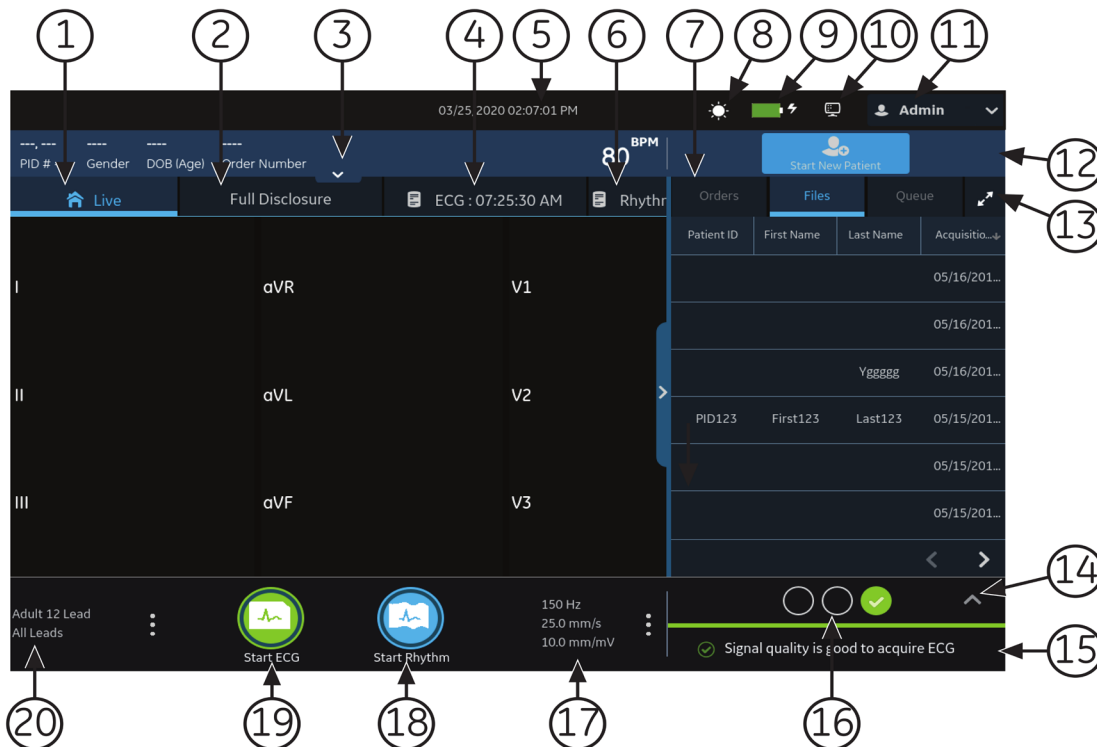# MAC™ 7 Resting ECG Analysis System

Acquisition Screen

1. **Live** tab: Displays the live waveform for the current patient connected to the device.
2. **Full Disclosure** tab: Displays full disclosure ECG.
3. **Patient Information** banner: Displays Patient Information such as first name, last name, and gender.
4. **ECG** tab: Displays the ECG recorded for a patient.
5. Date and Time: Current local date and time in the configured date and time format.
6. **Rhythm** tab: Displays the rhythm recorded for a patient.
7. **Orders/Patient**, **Files**, and **Queue** tabs:
   Select **Orders** to open the Orders list; select **Files** to open the Files list; select **Queue** to open the Queue list.
8. Brightness icon: Allows you to adjust the screen brightness.
9. Battery or AC Power icon: Shows the battery status.
10. Network Status icon: Shows the wireless or LAN connection status.
11. User Menu: Displays the name of the user logged into the device.
12. **Start New Patient** icon: Allows you to enter patient data for a new patient test.
13. **Expand** icon: Expands the list of the **Orders/Patient**, **Files**, or **Queue** tabs.
14. Electrode Placement Image: Select the arrow to expand and view the image.
15. Notification Area: Displays messages such as printing status and progress, report transmission status.
16. Hookup Advisor Lead Quality Status Indicator: Displays the overall lead quality status indicator.
17. Filter, Speed and Gain: Displays the default waveform filter, speed, and gain.
18. **Start Rhythm** icon: Allows you to print or digitally record a rhythm report.
19. **Start ECG** icon: Allows you to start recording an ECG.
20. Lead Set and Display Format: Displays the default test type and display format.
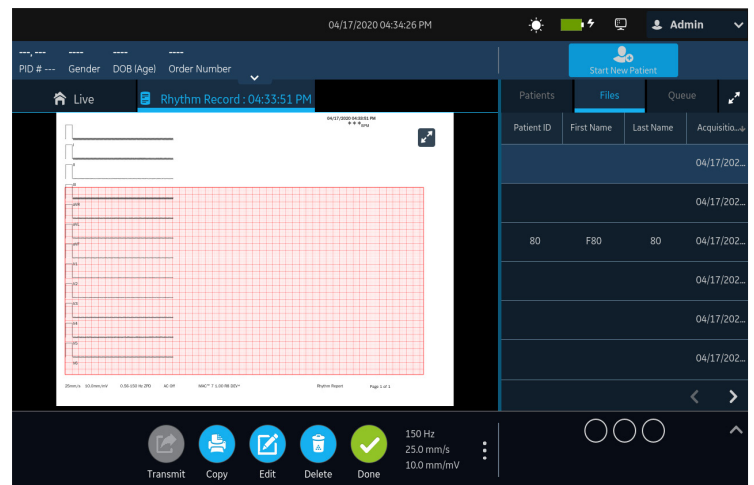
Start a New Patient

1. Select **Start New Patient** on the acquisition screen.
2. Prepare and connect the leadwires to the patient.
3. Enter patient information on the **Patient Information** screen using any of the following options:
   - Scanning the patient's barcode
   - Performing order or ADT query
   - Attaching a patient record from the **Patients** list
   - Attaching an order from the **Orders** list
   - Using the device keyboard
4. Select **Save** to save the patient information.
5. Verify that the Hookup Advisor status is green and review the waveform.
6. Proceed with recording an ECG or rhythm.

Record a Rhythm

1. Select **Start Rhythm** on the acquisition screen. If the rhythm mode is:
   - **Paper Only**, the rhythm is printed. Select **Stop Rhythm** at any time to stop printing the rhythm strip.
   - **Digital Only**, the rhythm is digitally recorded for a configured duration and saved in the **Files** list, but not printed. Select **Stop Rhythm** at any time to stop recording. The saved rhythm report is displayed in the **Rhythm** tab.
   - **Both**, the rhythm is digitally recorded and printed for a configured duration and saved in the **Files** list. Select **Stop Rhythm** at any time to stop recording and printing the rhythm strip. The saved rhythm report is displayed in the **Rhythm** tab.
2. Review the rhythm report.
   To continue with the same patient, go back to the **Live** tab and continue to record the ECG.
   To start a new patient, select **Done** or **Start New Patient** on the screen.
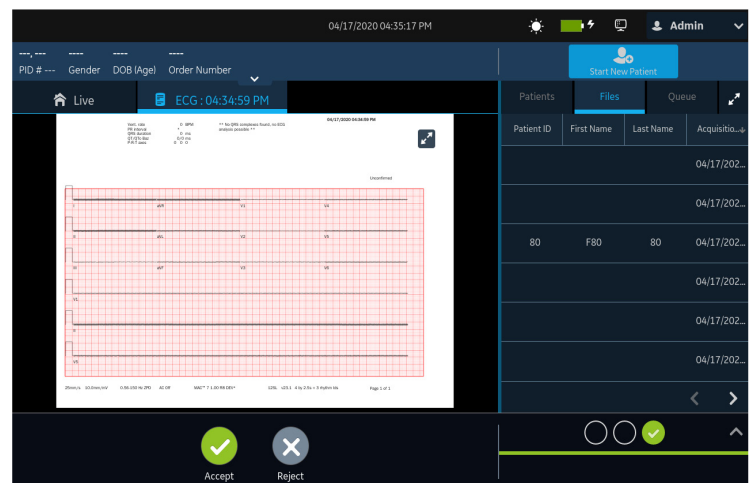
Record an ECG

1. Select **Start ECG** on the acquisition screen.
   - The patient report preview displays in the **ECG** tab if you enable Print Preview. Select **Accept** to accept the ECG and save the patient report in the **Files** list. Select **Reject** to cancel the ECG.
   - The patient report displays in the **ECG** tab and saves to the **Files** list if you disable print preview.
   The patient report automatically prints in the report format configured on your device.
2. Review the ECG patient report.
   To continue with the same patient, go back to the **Live** tab and continue to record the ECG.
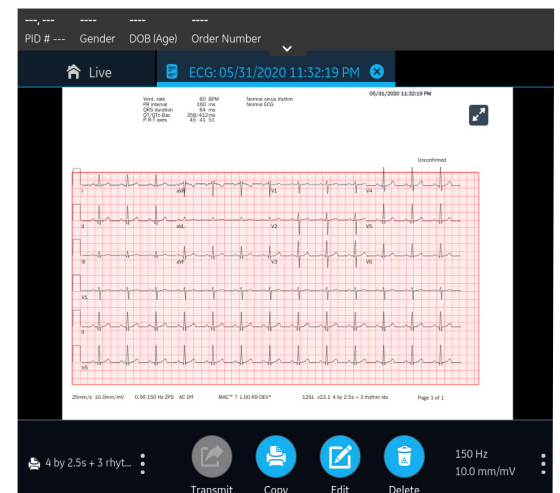   To start a new patient, select **Done** or **Start New Patient** on the screen.

Record a Full Disclosure ECG

1. If you purchase the **Full Disclosure** option and enable this option in the **Options Manager**, you can acquire a **Full Disclosure ECG.**
2. Enable the **Full Disclosure** option in the **Settings** screen.
3. The device automatically records the full disclosure ECG when you start a new patient test. It runs in the background.
4. Select the **Full Disclosure** tab on the Acquisition screen to review the full disclosure ECG.
5. Select the **FD Report** tab to review the full disclosure ECG report.
   To continue with the same patient, go back to the **Full Disclosure** tab and continue to record the full disclosure ECG. To start a new patient, select **Done** or **Start New Patient** on the screen.
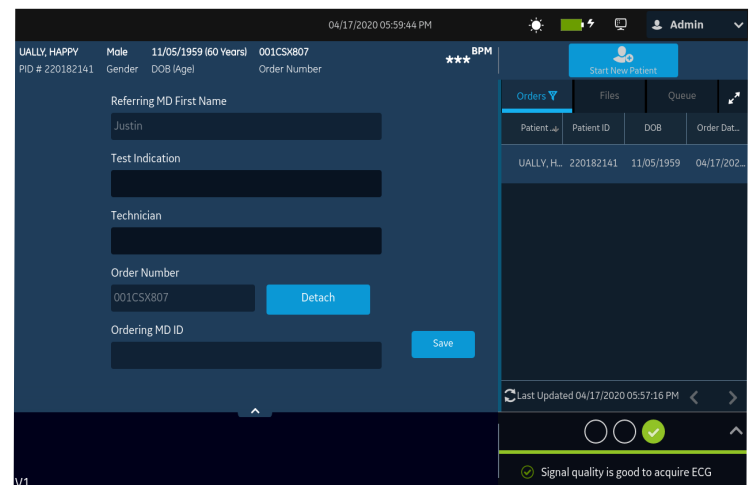

Reviewing Patient Reports

1. From the Acquisition screen, select the **Files** tab.
2. In the **Files** list, select a patient report. The patient report displays in the **ECG** or **Rhythm** tab.
3. Review the patient report and perform any of the following:
   • To transmit the report, select a destination from the **Destination** menu and select **Transmit**.
   • To print a copy of the report in the displayed format, select **Copy**.
   • To edit patient information, select **Edit**, or select anywhere in the **Patient Information** banner.
   • To delete the report, select **Delete**.
   • To close the report, select ⊗.

Querying Orders or ADT Data

Make sure that remote patient query is configured and you have the required privileges to query patient demographics.

1. Start a new patient test.
2. Scan the patient's barcode, or enter **Patient ID** or **Visit Number** on the **Patient Information** screen, and press the **Search Icon** to initiate the query.
   • If multiple orders for one patient are found, they are listed in the **Orders** list. Double-tap an order to attach.
   • If one matching order is found, it populates the **Patient Information** screen.
   • If no orders are found, the system will query for ADT.
   • If an ADT record is found, it populates the **Patient Information** screen.
   • If no matching order or ADT information is found, the data scanned or entered is used to populate the **Patient Information** screen.

Attaching an Order to a New Patient Test

1. Double-tap the correct patient order found from the patient query to attach it to the patient test.
   Data from the order is populated in the **Patient Information** screen and the screen expands. Some populated fields are read-only.
2. Edit the remaining fields and save the patient information.
3. In the **Orders** list, verify that the order status is **Attached**.
4. Record the ECG.

Related Manual

Part Number	Document Title	Description
2109599-001	MAC™ 7 Resting ECG Analysis System Operator's Manual	Reference manual for details of how to use features of the device and software.
2109599-002	MAC™ 7 Resting ECG Analysis System Service Manual	Information for servicing of device and updating software and overview of device hardware and FRU parts, and part numbers.
2109599-003	MAC™ 7 Resting ECG Analysis System Regulatory and Safety Manual	All required regulatory and safety information.
2109599-004	MAC™ 7 Resting ECG Analysis System Setup and Configuration Manual	Information needed to complete initial setup and configuration at a customer site.
2109599-005	KISS™ Multilead for MAC™ 7 Electrode Application System Operator's Manual	Reference manual for details of KISS™ multilead electrodes.
2109599-006	MAC™ 7 Resting ECG Analysis System XML Technical Reference Manual	Reference manual for usage of xml fields.
2109599-007	MAC™ 7 Resting ECG Analysis System Privacy and Security Manual	Required privacy and security information.
2109599-008	MAC™ 7 Resting ECG Analysis System Network Installation Manual	Reference manual for network installation.
2109599-010	MAC™ 7 Resting ECG Analysis System Quick Setup Guide	Guide for quick setup of device.
2102946-001	Supplies and Accessories Guide Diagnostic Cardiology	All required regulatory and safety information.
NA - Refer to OEM Manual	Compact Trolley Instruction	Reference manual for compact trolley.

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