

**LATITUDE™ NXT Patient
Management System**

Quick Reference Guide



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Where can I find short training and 'how to' videos?

You can find short 'how to' videos for LATITUDE™ NXT like Enrolling Patients, Patient Groups, Transferring Patients and more here: <https://www.bostonscientific.com.au/rhythmcare>

How do I transfer patient a LATITUDE™ patient to another clinic?

[See Managing Patients](#)

1. The new clinic enrolls the patient with patient consent. Once enrollment is completed, the patient is immediately transferred to the new clinic.
2. Users in the previous clinic will see the patient's status as "Patient Transferred." They can still access the follow-up history and print reports but will not see new data.
3. The previous clinic can then unenroll the patient by clicking the "Unenroll Patient" button on the Edit/View Patient and Equipment Information page.
4. If the patient was transferred in error, you must first un-enroll the patient, and then re-enroll.

How do I know which clinic my patient has been transferred to?

Please contact LATITUDE™ Customer Support at 1800 528 488 (Australia) or 0508 200 886 (New Zealand)

How do I order a LATITUDE™ Communicator or cellular accessory?

Please contact LATITUDE™ Customer Support at 1800 528 488 (Australia) or 0508 200 886 (New Zealand)

How do EMBLEM S-ICD patients use their Communicators?

If configured ON, EMBLEM™ S-ICD patients are prompted to perform wireless interrogations once per week in addition to scheduled remote follow-ups. The S-ICD patient is prompted with a flashing white Heart button on the Communicator. The patient must press the flashing white Heart button once to interrogate their implanted device. The date of the last weekly alert check will appear on the S-ICD patient profile under "Latest Device Alert Monitoring Check". (Please note: No data will be uploaded during the S-ICD weekly check if an alert is not detected.)

How can I troubleshoot Communicator lights?

See [LATITUDE Communicator](#). You can access some helpful Troubleshooting Guides for Communicator lights under the 'Help/Contact Us' link at the top of the LATITUDE website. These guides include easy steps for to "Troubleshoot Collecting Waves" and the "Red/Yellow Call Dr Icon".

For further information, visit: <https://www.bostonscientific.com.au/en/patients/device-support/remote-monitoring-system/indicator-lights-troubleshooting.html>

How can I manage my Not Monitored list?

The "Not Monitored" list shows patients that are currently not being monitored. Patients cannot be removed, paused, or archived from this list. Once the status is resolved, a patient will drop off the "Not Monitored" list automatically. The list is sorted by the date a monitoring status occurred.

If a patient has a "Not Monitored" status, the clinician is responsible for resolving the condition. This may involve troubleshooting issues such as:

- **Implanted Device Not Found:** The communicator has been unable to communicate with the implanted device for 14 days or more.
- **Communicator Not Connecting:** The communicator has not connected to the LATITUDE™ NXT server for 14 days or more.

How can my reports automatically import to my EMR? What types of transmissions transmit to my EMR?

[See EMR Integration](#). The EMR integration feature must be enabled. Once enabled, it automatically exports data for all patients within your clinic. Any patient data that appears on the For Review page will automatically be transferred to the EMR. Individual patient data can also be manually sent to the EMR application by selecting "Send to EMR" from the Patient Detail section. Data Types Transmitted to the EMR may include:

Scheduled Follow-up: The patient was added because of a scheduled remote follow-up

Patient-Initiated Interrogation: The patient performed a self-initiated interrogation

Daily/Weekly Device Checks: Alerts detected during daily device checks or weekly interrogations

Red and Yellow Implanted Device Alert: Alerts from the implanted device

LATITUDE Consult System: The patient was added due to data from the LATITUDE Consult System in a hospital setting.

How do I stop receiving excessive or unnecessary uploads?

You may disable unscheduled Patient Initiated Interrogations at the [patient level configuration](#). You can also call Technical Services to review configurable alert settings.

Why do my patients keep missing their Scheduled Remote Follow Up date?

Changes to the patient schedule or alert configuration can take up to seven (7) days to take effect in the patient's Communicator. The LATITUDE NXT website will allow the next Scheduled Remote Follow-up (SRF) to be set to the next calendar day, the Communicator only receives schedule updates about once a week. If a patient has missed the follow up date, rather than change the SRF date on the website, ask the pt to perform a Patient-Initiated Interrogation to satisfy the missing SRF on the website.

Who changed the schedule?

From the Patient Summary Page, select 'Edit/View Schedule and Alert Configuration.' Clicking the 'Last Updated By' link on the right side displays the date and time the configuration was last changed and the name of the user who made the change. ([See Configuration](#))



Complete Access (Clinic Account Manager) – Clinic user who is responsible for managing the clinic and the clinic’s users and patients. The CAM has access to all patients in all Patient Groups and can create User Accounts.

Dismiss Patient – Removes the patient from the **For Review** filtered list on the View Patient List webpage. Patient data are still accessible from the **All Patients** filtered list.

Latest Device Transmission – Column on the Patient List that displays the date of the last full interrogation.

Monitoring Status – Indicates the current monitoring status of the patient. It may also include a link to troubleshooting steps.

Next Remote Follow-up – Column on the Patient List that displays the date of the patient’s next scheduled remote follow-up.

Patient Group – A clinic can organize its patients into Patient Groups, which provide default alert and schedule configuration settings for their associated patients. Patient Groups allow the clinic to organize patients by criteria that make sense for their practice. Examples include physician name or satellite clinic.

Patient ID – An alphanumeric identifier assigned by the clinic to facilitate coordination of medical records or some type of primary identification. Clinics may add this on the Edit/View Patient and Equipment Information page, or upon enrollment for new LATITUDE NXT patients.

Patient Initiated Interrogation – If enabled, patients are able to initiate an unscheduled interrogation of their implanted device by pressing the Heart button on the Communicator.

Red Alert – Implanted device conditions that could potentially leave the patient without available device therapy result in a red alert.

Review Status – Information on the status of the patient’s review. Statuses include New Data, Viewed, or Dismissed.

Review Reason – Indicates the reason the patient was added to the For Review patient list. Valid review reasons include Scheduled, Patient-Initiated, Weight Change, Device Alert, and Multiple Reasons. Click the reason to see more detailed information.

Yellow Alert – Yellow alerts are configurable on or off and may be set either at the Patient Group or individual patient level.



Getting Started

1. Work with your sales representative to complete the LATITUDE NXT/Clarity Account Enrollment Form Instructions. *NOTE: Only one form needs to be submitted to establish the clinic.*
2. Clinic Account Managers (CAMs) will receive a temporary user ID and password from a Boston Scientific sales representative. Clinic users will receive a temporary user ID and password from their CAM.
3. Navigate to www.latitude.bostonscientific.com.
4. If this is the first time you are accessing the LATITUDE™ NXT website, select your country and your preferred language.



5. Select the **LATITUDE NXT** button.
6. Enter your User ID and password and click the **Login** button.
7. If you are a first-time user, you will be prompted to change your temporary password and complete a set of personal security questions.

Changing Your Password

1. Select **My Profile** next to your name at the top of any page on the website.
2. Select **Change Password** in the Login Information section.
3. Enter your old and new password.
4. Click **Save and Close**.

LATITUDE® NXT / LATITUDE Clarity™

Please enter your User ID and Password to enter the Boston Scientific LATITUDE Clinician website

*Indicates Required Field
*User ID:

*Password:

Login Reset

[Change Country/Language: United States/English](#)
[Forgot Password?](#)

For additional assistance, call [LATITUDE® Customer Support](#)



Enrolling a Patient

1. Select **Manage Clinic** from the top navigation bar.
2. Select **Enroll Patient**.
3. Select the patient's device model from the drop-down and type in the patient's device serial number.
4. Enter the patient's date of birth.
5. Click **Continue**.
6. Enter patient information in the designated fields.
7. Assign a Patient Group from the **Patient Group Membership** drop-down menus. (See Patient Group Tab for instructions on creating patient groups).
8. Select the Communicator model and fill in the Communicator Serial Number, found on the outside of the box or underside of the Communicator.
9. The Communicator model and serial numbers may be entered at enrollment or later through the **Edit/View Patient and Equipment Information** page.
10. Check the box to accept confirming Patient Consent and click **Continue**.
11. Click **Enroll Patient**.
12. Once you've reached Step 3 of 3, the enrollment is complete, you may choose to print the Confirmation Page by clicking on **Print Confirmation Page**.

The screenshot shows the 'Enroll Patient Step 1 of 3' interface. At the top, there is a navigation bar with the Boston Scientific logo on the left and 'LATITUDE[®] NXT Switch to LATITUDE Clarity[™]' on the right. Below the logo, there are links for '(My Profile)', 'Language: English', 'Help/Contact Us', and 'Logout'. The main navigation area includes 'View Patient List', 'Search Patients', 'Manage Clinic', 'Manage EMR Integration', 'Manage Clinic Settings', 'Order Equipment', and 'Enroll Patient'. The 'Enroll Patient' tab is active. The main content area is titled 'Enroll Patient Step 1 of 3: Enter implanted device and patient's date of birth.' Below this, there is a note: '*Indicates Required Field'. The 'Implanted Device Information' section contains three fields: '*Device Model:' with a dropdown menu showing '-Select Model-', '*Device Serial Number:' with a text input field, and '*Patient Date of Birth:' with a date input field (format mm/dd/yyyy) and an example '(e.g.: 01/24/1950)'. A 'Continue' button is located below the fields. At the bottom, there is a question: 'Is this a Replacement Device?' with a sub-note: 'To update device information or enter a new serial number, locate an existing Patient via the [Patient List](#).'



Adding Users

1. Select **Manage Clinic**.
2. Select **Manage Clinic Users**.
3. Click **Add Clinic User**.
4. Fill in the required fields listed as indicated
 - Access settings will default to **Limited Access (Clinic Staff)**. Appropriate privileges can be selected at this time if different access settings are desired.
5. Click **Assigned Patient Groups** that the new user should access.
6. Click **Save and Close**.

Managing Clinic Users

This page allows Clinic Account Managers to change User Information and access settings.

- The definition of each type of user is listed on the page. Select the appropriate access for each user. Be sure to add access to the appropriate patient groups for **Limited Access** and **Read Only Access** users.

The screenshot shows the 'Add Clinic User' form with the following sections:

- Navigation:** View Patient List, Search Patients, Manage Clinic, Manage EMR Integration, **Manage Clinic Users**, Manage Clinic Settings, Enroll Patient.
- Add Clinic User:** *Indicates Required Field.
- User Information:** *Last Name, *First Name, *Phone Number (e.g. 123 456 7890), E-mail Address.
- Login Information:** *User ID and Password, Security Questions (Security Questions can only be viewed or edited by clinic users themselves). Note: A User ID can only contain alphanumeric characters (A-Z, 0-9), dashes (-), underscores (_), periods (.), and the at sign (@). No other characters or spaces are allowed. The User ID must be at least 6 characters.
- Access Settings:** Privileges (Complete Access (Clinic Account Manager), Limited Access (Clinic Staff), Read-Only Access (Clinic Staff)), Assigned Patient Groups (Heart Failure Clinic, Sacred Heart Cardiology Group, TACHY_Richards_Beth_4586123).



Resetting Passwords

1. Select **Manage Clinic** from the top navigation bar.
2. Select **Manage Clinic Users**.
3. From the User List, click the **Edit/View Demographics and Access Settings** button to the right of the User's name.
4. Reset the password by clicking the **Reset Password** link found in the **Login Information** section.
5. You can select and copy the text of the User ID and temporary password from the pop-up for use in an email or instant message to the user.
6. Click **Save and Close**.

Removing Users

1. From the User List, click the **Edit/View Demographics and Access Settings** button to the right of the User's name.
2. Click the **Remove Clinician** button at the upper right hand side of the page.



The LATITUDE™ NXT website offers you flexibility and control over how you receive, review, and manage Boston Scientific patient and device data.

Navigating the Site

Top banner and navigation buttons that appear on all web pages.

The screenshot shows the top navigation banner of the LATITUDE NXT website. The banner includes the Boston Scientific logo on the left and the user's name 'Dubois Michel (My Profile)' on the right. Below the banner, there are several navigation buttons: 'View Patient List', 'Search Patients', 'Manage Clinic', 'Manage EMR Integration', 'Manage Clinic Users', 'Manage Settings', and 'Enroll Patients'. The main content area displays a 'View Patient List' page with a dropdown menu for 'Viewing Patient Group' set to 'All Patient Groups'. Below this, there is a summary of patient counts: 'All Patients (10) | For Review (5) | Missed Follow-up (2) | Not Monitored (3) | Not Scheduled (1)'. A table of patient data is shown, with columns for Patient/Device, Review Status, Latest Device Transmission, Alerts, Review Reason, Next Remote Follow-up, Monitoring Status, and Actions. The table lists five patients with their respective details and actions.

| Patient/Device | Review Status | Latest Device Transmission | Alerts | Review Reason | Next Remote Follow-up | Monitoring Status | Actions |
|--|---------------|----------------------------|--------|------------------------|-----------------------|-------------------|--|
| Cruz, Orla 69021930 COGNIS 100-D N119 | Viewed | Jun 24, 2014 | 🚩 | Implanted Device Alert | Aug 27, 2014 | Monitored | Dismiss From Review List Reports Menu |
| Matthews, Florence 32101221 INGENIO K173 | Viewed | Jun 24, 2014 | 🚩 | Implanted Device Alert | Aug 22, 2014 | Monitored | Dismiss From Review List Reports Menu |
| Stanley, Thomas 55714093 INTUA CRT-P V273 Sacred Heart Cardiology Group (Primary) | Viewed | Jun 24, 2014 | 🚩 | Multiple Reasons | Aug 27, 2014 | Monitored | Dismiss From Review List Reports Menu |
| Siva, Max 27946795 DYNAGEN MINI ICD D022 Sacred Heart Cardiology Group (Primary) | Viewed | Jun 24, 2014 | None | Scheduled | Sep 30, 2014 | Monitored | Dismiss From Review List Reports Menu |
| Williams, Jae 29560849 ADVANTIO K063 | Viewed | Jun 24, 2014 | None | Patient Initiated | Sep 22, 2014 | Monitored | Dismiss From Review List Reports Menu |

- A – Link to the Update Clinic User page for the current user.
- B – Display selected language. Links to the Configuration profile page where the selected language can be changed.
- C – Link to contact information and other resources.
- D – Ends the user’s session.
- E – Link to a page that provides a list of patients to which the current user has access (The View Patient List page).
- F – Link to the Patient Search page.
- G – Displays links related to Managing your Clinic (H–K).
- H – Link to a page that enables clinicians to configure integration with their clinic’s EMR system.
- I – Provides a list of clinic users and associated configuration information.
- J – Manage clinic and Patient Group demographics and membership and associated configuration information.
- K – Link to enrollment form that enables clinicians to enroll new patients.



View Patient List Page

The **View Patient List** page displays all patients for all your assigned Patient Groups.

You can choose to display patients according to their Patient Group using the **Viewing Patient Group** drop-down menu. You can also further filter patients using the following Filters :

All Patients – Lists all patients in the selected Patient Group(s).

For Review – Lists patients with reviewable data who have not been dismissed. This includes data associated with alerts, remote scheduled follow-ups, or patient initiated interrogations.

Missed Follow-up – Lists patients who had a scheduled remote follow-up but a remote interrogation has not yet been completed successfully.

Not Monitored – Lists patients who currently are not being monitored.

Not Scheduled – Lists patients who currently do not have a scheduled remote follow-up.

View Patient List

Viewing Patient Group: All Patient Groups

All Patients (10) | For Review (5) | Missed Follow-up (2) | Not Monitored (3) | Not Scheduled (1)

| Patient/ Patient ID/ Device | Review Status | Latest Device Transmission | Alerts | Review Reason | Next Remote Follow-up | Monitoring Status | Actions |
|--|------------------------|-------------------------------|--------|--|------------------------------|----------------------|--|
| Cruz, Olivia 69021930 COGNIS 100-D N119 | Viewed | Jun 24, 2014 | | Implanted Device Alert | Aug 27, 2014 | Monitored | Dismiss From Review List Reports Menu |
| Matthews, Florence 32101221 INGENIO K173 | Viewed | Jun 24, 2014 | | Implanted Device Alert | Aug 22, 2014 | Monitored | Dismiss From Review List Reports Menu |
| Stanley, Thomas 55714093 INTUA CRT-P V273 Sacred Heart Cardiology Group (Primary) | Viewed | Jun 24, 2014 | | Multiple Reasons | Aug 27, 2014 | Monitored | Dismiss From Review List Reports Menu |



The Patient List is organized into columns:

- The **Patient/Patient ID/Device** column displays the patient's name. Click the patient name to see detailed information for that patient.
- The **Review Status** column provides information on the status of the patient's review such as New Data, Viewed, or Dismissed. Click review status to see additional detail.
- The **Latest Device Transmission** column displays the date of the last full interrogation.
- The **Alerts** column indicates the patient has one or more alerts that have not been dismissed.
 - Click the flag to see a detailed list of alerts.
- The **Review Reason** column indicates the reason the patient was added to the For Review patient list. Review reasons may include: Scheduled, Patient Initiated, Weight Change, Device Alert, and Multiple Reasons. Click the reason to see more detailed information related to the review.
- The **Next Remote Follow-up** column displays the date of the patient's next scheduled remote follow-up. Click the date to set a new date for a patient's next scheduled remote follow-up.

- The **Monitoring Status** column indicates the current monitoring status of the patient. You may click on the hyperlink for additional information.
- The **Actions** column provides links to dismiss the patient from the review list or generate reports for the patient.

Patient Search

To search for a patient record:

1. From any page, select **Search Patients** from the top navigation bar.
2. Enter your desired search criteria.
3. Click **Search**.

The search results will be displayed below the search criteria in a table similar to the View Patient List page. From the table, you can print the search results list, access details of a patient appearing in the list, print reports for a selected patient(s), or dismiss a patient from the Review List.



Add a Patient Group:

1. Select **Manage Clinic** from the top navigation bar.
2. Select **Manage Clinic Settings**.
3. Click **Add Patient Group**.
4. Fill out Name and group description (optional).
5. Click **Add Patient Group**.
6. Click **Edit/View Demographics and User Membership** to assign clinic members.

Delete a Patient Group:

1. Select **Manage Clinic** from the top navigation bar.
2. Select **Manage Clinic Settings**.
3. Click **Edit/View Demographics and User Membership** associated with the Patient Group.
4. Click **Remove Patient Group**.

Note: Patient Groups can only be removed if there are no patients enrolled in the Patient Group.

Customer Support | View Patient List | Search Patients | Manage Clinic

Manage EMR Integration | Manage Clinic Users | **Manage Clinic Settings** | Order Equipment | Enroll Patient

Manage Clinic Settings:
[Edit/View Clinic Demographics](#)

[Add Patient Group](#)

Patient Group List 1 - 9 of 9

| Name | Description | Actions |
|--|--------------------------------------|--|
| CHG-Children's Hospital Pacer Clinic | CHG-Children's Hospital Pacer Clinic | Edit/View Patient Group Defaults Edit/View Demographics and User Membership |
| Heart Logic | not enrolled in MANAGE HF | Edit/View Patient Group Defaults Edit/View Demographics and User Membership |
| Heart Logic - Holy Spirit Medical Center | BSCI patient group transfer | Edit/View Patient Group Defaults Edit/View Demographics and User Membership |



Unenroll Patient

1. From the **View Patient List**, select **All Patients**.
2. Scroll to the patient you want to Unenroll (or use **Search Patients**).
3. Click the patient name.
4. From the Summary Page, click **Edit/View Patient and Equipment Information**.
5. Click **Unenroll Patient**.

Patient Transfer (Within the Same Clinic)

1. From the **View Patient List**, select **All Patients**.
2. Scroll to the patient you want to transfer (or use **Search Patients**).
3. Click the patient name.
4. From the Summary Page, select **Edit/View Patient and Equipment Information**.
5. Scroll down to Patient Group Membership.
6. Choose the new **Patient Group** from the drop-down menu.
7. Click **Save and Close**.

The screenshot shows the 'View Patient List' page for a patient named Florence Matthews. The page includes a header with the Boston Scientific logo and user information (Dubois, Dr. Michel). Below the header, there are navigation tabs for 'View Patient List', 'Search Patients', and 'Manage Clinic'. The main content area is titled 'Edit/View Patient and Equipment Information'. It displays patient details: Patient Name: Matthews, Florence; Latest Device Transmission: Jun 24, 2014 06:02 HST; Patient ID: 32101221; Device: K173 INGENIO/319037; Date of Birth: Feb 13, 1937; Patient Group: Sacred Heart Cardiology Group (Primary); Search Tags: Alb; Monitoring Status: Monitored. A prominent 'Unenroll Patient' button is visible on the right side of the patient information box.

The screenshot shows the 'Patient Group Membership' section of the patient management interface. It is divided into two main areas: 'Implanted Device' and 'Patient Group Membership'. The 'Implanted Device' section shows 'Implanted Device Information' with fields for Model (K173) and Serial Number (319037). The 'Patient Group Membership' section is further divided into 'Primary Patient Group' and 'Secondary Patient Group'. The Primary Patient Group dropdown menu is open, showing options: 'Sacred Heart Cardiology Group' (selected), 'No Patient Group Selected', and 'Heart Failure Clinic'. The Secondary Patient Group dropdown menu is currently set to '-No Patient Group Selected-'. There is also a 'Remove Patient From Group' link next to the Primary Patient Group dropdown.



Managing Patient Groups

A clinic is organized into one or more Patient Groups.

- Clinic users can be assigned to any number of Patient Groups.
- If assigned to a Patient Group, a clinic user has access to all patients enrolled in that Patient Group.

Patient Groups provide default alert and schedule configuration settings for their associated patients. A patient can have customized settings that differ from the Patient Group default settings.

Clinics that organize patients into Patient Groups have the option of associating a patient with two Patient Groups.

- One Patient Group is primary and manages the patient's device.
- The other Patient Group is secondary and also monitors the patient's condition but will not be notified of red alerts and will not see any follow-up or alert history associated with the primary Patient Group.

Clinic Account Managers have access to all patients in all Patient Groups and can add or remove Patient Groups.



Patient Transfer (From a Different Clinic)

1. Select **Manage Clinic** from the top navigation bar.
2. Select **Enroll Patient**.
3. Select the patient's device model from the drop-down and type the patient's device serial number.
4. Enter in the patient's date of birth.
Note: To use the calendar function; choose the year first, then the month and the day.
5. Click **Continue**.
6. Scroll down to Patient Group Membership.
7. Check **Patient Consent** check box.
8. Assign a Patient Group from the drop-down menu.
9. Check the box to accept confirming Patient Consent and click **Continue**.
10. Click **Enroll Patient**.

Boston Scientific LATITUDE® NXT
Switch to LATITUDE Clarity™

([My Profile](#)) | Language: [English](#) | [Help/Contact Us](#) | [Logout](#)

[View Patient List](#) [Search Patients](#) [Manage Clinic](#)

[Manage EMR Integration](#) [Manage Clinic Settings](#) [Order Equipment](#) [Enroll Patient](#)

Enroll Patient Step 1 of 3: Enter implanted device and patient's date of birth.

*Indicates Required Field

Implanted Device Information

*Device Model:

*Device Serial Number:

*Patient Date of Birth:
 (e.g.: 01/24/1950)

Is this a Replacement Device?
To update device information or enter a new serial number, locate an existing Patient via the [Patient List](#).

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LATITUDE NXT features Daily Alert Monitoring with optional SMS text message and e-mail alert notification, and parameters that allow you to configure yellow alerts on/off without bringing the patient into the clinic.

Note: The primary means of alert notification is through the View Patient List page on the LATITUDE NXT website.

Red Alerts  Red alerts are checked daily and occur for the following conditions, depending on the device model:

BATTERY

- Remote monitoring disabled due to limited battery capacity
- Voltage was too low for projected remaining capacity

RIGHT VENTRICULAR LATITUDE LEAD CHECK+™

- Shock lead impedance out of range
- Low shock lead impedance detected when attempting to deliver a shock
- High shock lead impedance detected when attempting to deliver a shock
- Right ventricular or single chamber pacing lead impedance out of range
- Right ventricular pacing lead impedance abrupt change
- Right ventricular non-physiologic signal detected

TACHY MODE

- V-Tachy mode set to value other than Monitor + Therapy

OTHERS

- Possible device malfunction
- High voltage detected on shock lead during charge
- Device in Safety Mode
- Device in Electrocautery Protection Mode

EMBLEM S-ICD

- Device battery has reached End of Life (EOL)
- High Electrode Impedance
- Therapy Off
- Possible device malfunction

Yellow Alerts

Yellow alert notifications can be configured for the following conditions, depending on device model:

- Communicator models 6288 and 6290 will check for yellow alerts daily (if weekly alerts are enabled)

BATTERY

- Explant indicator reached

RIGHT VENTRICULAR LATITUDE LEAD CHECK+™

- Right ventricular or single-chamber intrinsic amplitude out of range
- Right ventricular automatic threshold detected as > programmed amplitude or suspended

LEFT VENTRICULAR PACING LEADS

- Left ventricular intrinsic amplitude out of range
- Left ventricular pacing lead impedance out of range
- Left ventricular automatic threshold detected as > programmed amplitude or suspended

ATRIAL PACING LEADS

- Atrial intrinsic amplitude out of range
- Atrial pacing lead impedance out of range
- Atrial automatic threshold detected as > programmed amplitude or suspended

ARRHYTHMIAS

- Ventricular shock therapy delivered to convert arrhythmia
- Antitachycardia pacing (ATP) therapy delivered to convert arrhythmia
- Accelerated ventricular arrhythmia episode
- VT Episodes (V>A)
- Atrial Arrhythmia Burden of at least > (0, 0.5, 1, 3, 6, 12, 18, 24 hrs.) in a 24 hour period
- Patient triggered event stored
- Nonsustained ventricular arrhythmia episode(s)

Yellow Alerts

HeartLogic

- HeartLogic index at or above (2,4,6,8,10,12,14,16,18,20,22,24,26,28,30,32,34,36,38,40)

PACING

- Cardiac resynchronization therapy pacing of < (50, 60, 70, 80, 85, 90, 95) %
- Right ventricular pacing of > (10, 20, 30, 40, 50) %

OTHERS

- Device Brady Mode Off
- Therapy history corruption detected
- Weight gain of at least (1, 2, 3, 4, 5, 6, 7, 8, 9, 10) lbs in (1, 2, 3, 4, 5, 6, 7) days
- Signal artifact Monitor (SAM) device diagnostic

EMBLEM S-ICD

- Device battery has reached Elective Replacement Indicator (ERI)
- Shock therapy delivered to convert arrhythmia
- Untreated episode
- Sensing not fully optimized
- Measured AF of at least {>0.0.5, 1, 3, 6, or 12} hours in a 24 hour period (A219 only)
- SMART Pass Disabled
- Elevated system impedance
- Weight gain of at least {0.45, 0.911, 1.36, 1.81, 2.27, 2.72, 3.18, 3.63, 4.08, or 4.54} kg(s) or {1, 2, 3, 4, 5, 6, 7, 8, 9, or 10} lb(s) in {1-7} day(s)



Reviewing Data

Reviewing Data Through Printed Reports / Which Reports to Print

| Typical Follow-up Information Requested | Reviewing Data Online | Quick Notes | Presenting EGM/S-ECG | Combined Follow-up | Arrhythmia Logbook | Device Settings | Heart Failure Management |
|--|---|-------------|----------------------|--------------------|--------------------|-----------------|--------------------------|
| Most Recent Presenting EGM/S-ECG | Summary tab , click Presenting EGM | | • | • | | | |
| Lead Data | Summary tab , click Leads or Leads tab | • | | • | | | |
| Battery Status | Summary tab , Battery | • | | • | | | • |
| Events | Summary tab , click Events or Events tab | • | | • | • | | • |
| Counters (including CRT% pacing and RV% pacing) | Summary tab , Event Counters/Percent Paced (print report for full counters) | | | • | | | • |
| Histograms | Review on Report | | | • | | | • |
| Activity Level | Summary tab click Health or Health tab | | | • | | | • |



Reviewing Data Through Printed Reports / Which Reports to Print

| Typical Follow-up Information Requested | Reviewing Data Online | Quick Notes | Presenting EGM/S-ECG | Combined Follow-up | Arrhythmia Logbook | Device Settings | Heart Failure Management |
|---|---|--|----------------------|--------------------|--------------------|-----------------|--------------------------|
| Device Settings | Summary tab (print report for full settings) | • | | • | | • | • |
| Alert(s) | Summary tab or Follow-up History tab | • | | • | | | • |
| Alert(s) History | Follow-up History tab, click Show Alert History | On Follow-up History tab, select device transmission date and print Quick Notes or Combined Follow-up Report | | | | | |
| Respiratory Rate Trend | Summary tab or Health tab | | | • | | | • |



Configuring Scheduled Follow-ups for Patient Groups

1. Select **Manage Clinic** from the top navigation bar.
2. Select **Manage Clinic Settings**.
3. Next to the selected Patient Group, click **Edit/View Schedule and Alert Defaults**.
4. Decide if you want Automatic (recurring intervals) or Manual Follow-ups and select the corresponding radio button.
 - For **Automatic Follow-ups**, select from a list of Interval Frequency Options and Day of the Week Options:
 - **Interval Frequency Options:** Once per week, once every 2 weeks, once per month, and month intervals up to Once every 12 months
 - **Day of the Week Options:** Monday, Tuesday, Wednesday, Thursday, Friday
 - For **Manual Follow-ups**, you may pick a new date each time the previous one has been completed
5. Click **Save and Close**.

The screenshot shows the 'Edit/View Schedule and Alert Defaults' page for the 'Sacred Heart Cardiology Group'. The interface includes a top navigation bar with the Boston Scientific logo and user information (Dubois, Dr. Michel). Below the navigation bar are tabs for 'View Patient List', 'Search Patients', 'Manage Clinic', 'Manage EMR Integration', 'Manage Clinic Users', 'Manage Clinic Settings' (which is active), and 'Enroll Patient'. The main content area is divided into several sections:

- Remote Scheduled Follow-ups:** Contains two radio buttons. The first is selected: 'Automatically set the next remote follow-up based on the following interval:'. Below this are dropdown menus for 'Frequency' (set to 'Once Every Three Months') and 'Day of the Week' (set to 'Monday'). The second radio button is 'Manually set the next remote follow-up'.
- Weekly Implanted Device Alert Monitoring:** Contains a checked checkbox 'Enable weekly yellow alert monitoring (for configured implanted device alerts)'. Below the checkbox is a note: 'Note: This option only applies to Communicator models that support weekly yellow alert monitoring, as opposed to daily yellow alert monitoring.' There is also an icon of a device.
- Patient Initiated Interrogations:** Contains a checked checkbox 'Enable patient initiated interrogations (allows 5 per week)'.
- Alert Configuration:** Contains three notes: 'Note: Frequency of alert monitoring (weekly or daily) is determined by the patient's assigned Communicator.', 'Note: Red alerts only apply if this patient group is selected as a patient's primary group.', and 'Note: Alerts that are enabled will only be received for a particular patient if the patient's implanted device supports the alert and is programmed appropriately to detect it. See patient level configuration for details.'



Configuring Patient Initiated Interrogations for Patient Groups

1. Select **Manage Clinic** from the top navigation bar.
2. Select **Manage Clinic Settings**.
3. Next to the selected **Patient Group**, click **Edit/View Schedule and Alert Defaults**.
4. Scroll to **Patient Initiated Interrogations**.
5. Turn this section on and off by clicking the check box next to **Enable patient initiated interrogations**.
6. Click **Save and Close**.

Configuring Alerts for Patient Groups

1. Select **Manage Clinic** from the top navigation bar.
2. Select **Manage Clinic Settings**.
3. Next to the selected Patient Group, click **Edit/View Schedule and Alert Defaults**.
4. Scroll down the page to **Alert Configuration** and make appropriate changes by selecting or deselecting check boxes.
5. Click **Save and Close**.

The screenshot displays the 'Manage Clinic Settings' page for the 'Sacred Heart Cardiology Group'. The 'Patient Initiated Interrogations' section is highlighted, showing the 'Enable patient initiated interrogations' checkbox checked. Below this, the 'Alert Configuration' section is expanded, showing various alert categories with checkboxes for enabling or disabling specific alerts. The 'Alert Configuration' section includes a note: 'Note: Frequency of alert monitoring (weekly or daily) is determined by the patient's assigned Communicator. Note: Red alerts only apply if this patient group is selected as a patient's primary group. Note: Alerts that are enabled will only be received for a particular patient if the patient's implanted device supports the alert and is programmed appropriately to detect it. See patient level configuration for details.'

Alert Configuration [Last Updated By](#)

Note: Frequency of alert monitoring (weekly or daily) is determined by the patient's assigned Communicator.
Note: Red alerts only apply if this patient group is selected as a patient's primary group.
Note: Alerts that are enabled will only be received for a particular patient if the patient's implanted device supports the alert and is programmed appropriately to detect it. See patient level configuration for details.

Battery

- Remote monitoring disabled due to limited battery capacity.
- Explant indicator reached.
- Voltage too low for projected remaining capacity.

Right Ventricular LATITUDE Lead Check™

- Shock lead impedance out of range.
- Low shock lead impedance detected when attempting to deliver a shock.
- High shock lead impedance detected when attempting to deliver a shock.
- Right ventricular or single chamber pacing lead impedance out of range.
- Right ventricular pacing lead impedance abrupt change.
- Right ventricular non-physiologic signal detected.
- Right ventricular or single chamber intrinsic amplitude out of range.
- Right ventricular automatic threshold detected as > programmed amplitude or suspended.

Left Ventricular Pacing Leads

- Left ventricular intrinsic amplitude out of range.
- Left ventricular pacing lead impedance out of range.
- Left ventricular automatic threshold detected as > programmed amplitude or suspended.

Atrial Pacing Leads



Implanted Device Change Out

1. From the **View Patient List**, select **All Patients**.
2. Scroll to the patient you want to re-enroll (or use **Search Patients**).
3. Select the patient name.
4. From the Summary Page, click **Edit/View Patient and Equipment Information**.
5. Scroll to **Implanted Device Information** and update with the new implanted device model and serial numbers.
6. Click **Save and Close**.

Equipment Replacement


1. From the **View Patient List**, select **All Patients**.
2. Scroll to the patient you want to re-enroll (or **Search Patients**).
3. Select the patient name.
4. From the Summary Page, select **Edit/View Patient and Equipment Information**.
5. Scroll to **Equipment** and update the necessary fields with the new model/serial numbers.
6. Click **Save and Close**.



Configuring Schedules and Patient Initiated Interrogations for Individual Patients

1. From the **View Patient List**, select **All Patients**.
2. Scroll to the patient you want to configure (or use **Search Patients**).
3. Click the Patient name.
4. From the Summary Page, select **Edit/View Schedule and Alert Configuration**.
5. Deselect the **Use Patient Group Defaults** check box.
6. Scroll down the page to **Alert Configuration** and make appropriate changes by selecting or deselecting check boxes.
7. Click **Save and Close**.

Edit/View Schedule and Alert Configuration

| | |
|--|--|
| Patient: [Redacted] |  (Click to Add Patient Notes) |
| Latest Device Transmission: Nov 23, 2025 01:51 EST  6290 | |
| Patient ID: [Redacted] | Patient Group: Penn State Health Milton S. Hershey Medical Center (Primary) |
| Device: L331 ACCOLADE MRI | Search Tags: None |
| Date of Birth: [Redacted] | Monitoring Status: Monitored |

Next Scheduled Remote Follow-up: [Jan 30, 2026](#) [Last Updated By](#)

Remote Scheduled Follow-ups [Last Updated By](#)

Use Patient Group Defaults (Once Every Three Months on Thursday)

Automatically set the next remote follow-up based on the following interval:

Frequency:

Day of the Week:

Manually set the next remote follow-up.

Patient Initiated Interrogations [Last Updated By](#)

Allow one Patient Initiated Interrogation

Use Patient Group Defaults (Enabled)

Enable patient initiated interrogations (allows 5 per week)



Additional Alert Notification

Primary Alert notification is through the **View Patient List** on the LATITUDE™ NXT website.

However, clinicians may opt to receive additional alert notification through SMS text message and email, which may be configured at the Patient Group level.

1. Select **Manage Clinic** from the top level navigation bar.
2. Select **Manage Clinic Settings**.
3. Next to the selected Patient Group, click **Edit/View Schedule and Alert Defaults**.
4. Scroll to **Additional Alert Notification**.
5. Select which type of Alerts you would like to receive:
 - Red Alerts
 - Red and Yellow Alerts
6. Select **Hours of Notification**:
 - 24 hours a day, 7 days a week
 - Custom Business Hours
7. Enter up to three email addresses and three SMS text message numbers.
8. Send a test message to each address/number to verify receipt.
9. Click **Save and Close**.

Additional Alert Notification

[Last Updated By](#)

Note: The primary means of alert notification is through the Patient List page. Additional notification through SMS text messages and E-mail can be selected below. As this additional notification is dependent on external systems, delivery may be delayed or not occur at all.

Send additional alert notification based on the following settings:

Alert Severity:

- Red Alerts
- Red and Yellow Alerts
- None

Hours of Notification:

- 24 hours a day, 7 days a week
- Custom Business Hours (except Holidays):

| | Start Time : | End Time : |
|---|--------------|------------|
| <input checked="" type="checkbox"/> Monday | 08:00 AM ▾ | 05:00 PM ▾ |
| <input checked="" type="checkbox"/> Tuesday | 08:00 AM ▾ | 05:00 PM ▾ |
| <input checked="" type="checkbox"/> Wednesday | 08:00 AM ▾ | 05:00 PM ▾ |
| <input checked="" type="checkbox"/> Thursday | 08:00 AM ▾ | 05:00 PM ▾ |
| <input checked="" type="checkbox"/> Friday | 08:00 AM ▾ | 05:00 PM ▾ |
| <input type="checkbox"/> Saturday | 08:00 AM ▾ | 05:00 PM ▾ |
| <input type="checkbox"/> Sunday | 08:00 AM ▾ | 05:00 PM ▾ |

Holidays

Email Addresses

| | |
|------------------------------------|--|
| <input type="text"/> | <input type="button" value="Send a Test Message"/> |
| <small>(e.g. john@doe.com)</small> | |
| <input type="text"/> | <input type="button" value="Send a Test Message"/> |
| <small>(e.g. john@doe.com)</small> | |
| <input type="text"/> | <input type="button" value="Send a Test Message"/> |
| <small>(e.g. john@doe.com)</small> | |

SMS Text Message Number(s)

| | |
|------------------------------------|--|
| <input type="text"/> | <input type="button" value="Send a Test Message"/> |
| <small>(e.g. 123-456-7890)</small> | |
| <input type="text"/> | <input type="button" value="Send a Test Message"/> |
| <small>(e.g. 123-456-7890)</small> | |
| <input type="text"/> | <input type="button" value="Send a Test Message"/> |
| <small>(e.g. 123-456-7890)</small> | |

After Business Hours & Holidays:

| | |
|------------------------------------|--|
| <input type="text"/> | <input type="button" value="Send a Test Message"/> |
| <small>(e.g. john@doe.com)</small> | |

After Business Hours & Holidays:

| | |
|------------------------------------|--|
| <input type="text"/> | <input type="button" value="Send a Test Message"/> |
| <small>(e.g. 123-456-7890)</small> | |

Note: Changes to the schedule or alert configuration can take up to eight (8) days to take effect in the patient's communicator.



LATITUDE NXT Electronic Medical Record (EMR) Integration

The LATITUDE NXT EMR system integration feature provides an automated way to export patient device data to a clinic’s internal EMR.

- Installation may require the assistance of the IT professional responsible for administering your clinic’s systems.
- Software and configuration can be accessed by clicking **Edit/View EMR Configuration** from the **Manage EMR Integration** page.

LATITUDE NXT offers the following options for exporting data:

- Health Level Seven (HL7)
- Implantable Device Cardiac Observation (IDCO)

The summary information sent to the EMR is based on the QUICK NOTES report and includes alerts. The data may also include a PDF of the presenting EGM if available.

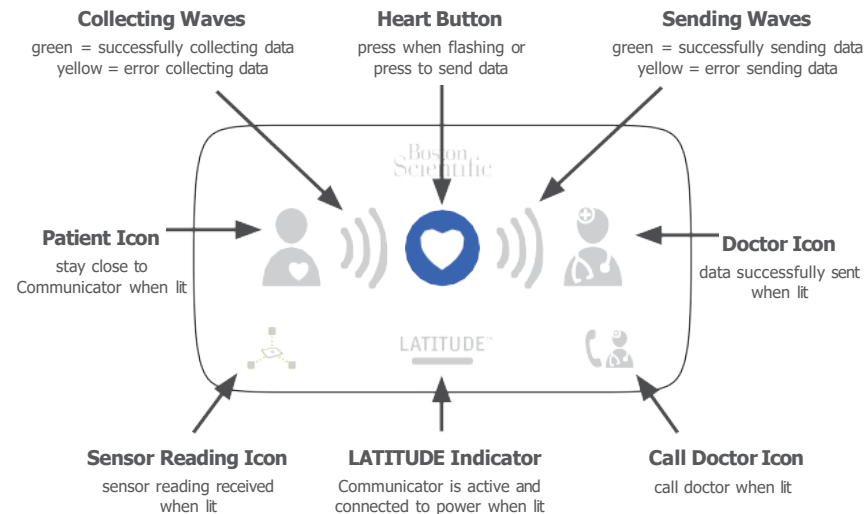
Once enabled the following device transmissions are applicable to transfer from LATITUDE NXT into the clinic EMR:

- Remote schedule follow-ups
- Red and yellow alerts
- Patient-initiated interrogations
- LATITUDE Consult transmission



The LATITUDE NXT Communicator is easy for patients to set up and use at home and offers automatic daily monitoring for Boston Scientific transvenous ICDs, CRT-Ds, CRT-Ps, S-ICDs, and pacemakers.



- Features a sleek design and intuitive graphic interface that is easy to use
- Conducts automatic and wireless alert checks and scheduled remote follow-ups, as well as configurable patient-initiated interrogations
- Sends critical cardiac health and device information to a secure website
- If configured ON, EMBLEM™ S-ICD patients are prompted to perform wireless interrogations once per week in addition to scheduled remote follow-ups
- Greater flexibility and portability for patients who transmit from hotels, nursing homes or other facilities
- It is recommended that the LATITUDE Communicator stay near where the patient sleeps or where they spend a significant amount of time





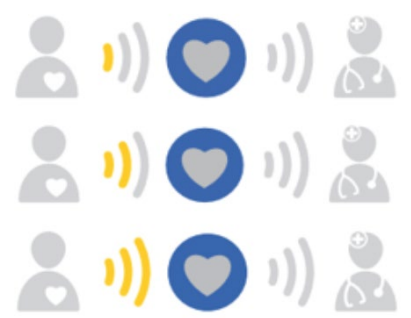


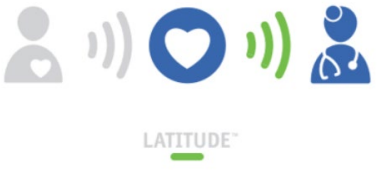
LATITUDE Communicator Troubleshooting

Pushing the Status button briefly (less than 3 seconds) shows: Confirmation of a transmission
Pushing and holding the Status button (longer than 3 seconds): Forces a call to the LATITUDE website

| Scenarios/Lights | Guidance |
|---|--|
| <p data-bbox="147 546 675 618">Red Call Doctor light (flashing or solid)</p>  | <p data-bbox="726 519 2407 644">Potential change with implanted device was detected. The home monitor cannot send any information from the implanted device to the LATITUDE system. Patient's immediate response is required to call their health care provider.</p> <p data-bbox="726 651 1472 689">To attempt to resolve, follow the steps below:</p> <ol data-bbox="726 696 2407 911" style="list-style-type: none"><li data-bbox="726 696 2407 782">1. Unplug power supply, wait for one full minute, and plug monitor back in. The Red Call Doctor may reappear.<li data-bbox="726 789 2407 861">2. Wait until a light is visible on the Cellular or Ethernet adapters, then briefly press and release Heart Button.<li data-bbox="726 868 2407 911">3. Data has been sent when a blue figure and solid green waves appear on both sides of the heart. |
| <p data-bbox="147 985 675 1056">Yellow Call Doctor light (flashing or solid)</p>  | <p data-bbox="726 958 2331 1039">The home monitor is currently unable to read the patient's implanted device OR monitoring of the patient's implanted device through the LATITUDE system may be suspended.</p> <ol data-bbox="726 1046 2407 1342" style="list-style-type: none"><li data-bbox="726 1046 2407 1132">1. Unplug the power supply from both the wall outlet and the monitor, wait for one full minute. After one minute, plug the monitor back in. The Yellow Call Doctor may reappear.<li data-bbox="726 1139 2407 1263">2. Locate small, white Status Button on back of monitor (near cords). Press and hold until flashing green lights appear on right side of heart. If no lights change, the monitor will need to be replaced. Please call Patient Services during normal business hours.<li data-bbox="726 1270 2407 1342">3. If waves on right of heart light are solid green and the doctor icon lights blue, the Yellow Call Doctor light should turn off. |



LATITUDE Communicator Troubleshooting

| Scenarios/Lights | Guidance |
|--|---|
| <p data-bbox="231 436 800 508">Yellow Collecting Waves (unable to collect data from implanted device)</p>  | <ol data-bbox="901 408 2175 622" style="list-style-type: none">1. Move the Communicator at least 3ft away from TV's, Internet modems/routers, or other electronic equipment.2. Press and release the Heart button to start an interrogation.3. Solid green lights and a blue doctor icon will appear if the transmission is successful:  |
| <p data-bbox="231 893 851 965">Yellow Sending Waves (unable to send data to LATITUDE system)</p>  | <ol data-bbox="901 865 2226 1079" style="list-style-type: none">1. Unplug the power cord for one minute, then plug it back in.2. Press and hold the Status Button on the back of the Communicator until you see flashing green lights appear on the right side of the Heart button.3. Solid green lights and a blue doctor will appear if the connection is successful:  |



The LATITUDE Communicator supports unscheduled Patient Initiated Interrogations (PII). Clinicians may enable or disable this feature from the LATITUDE NXT website.

If enabled, patients can send up to five per week.

If disabled or the weekly limit is reached, the clinician can allow one PII by selecting the **Allow one Patient Initiated Interrogation** button on the patient's **Edit/View Schedule and Alert Configuration** page.

- If enabled, patients may press the Heart button on the Communicator to send a full interrogation, including a Presenting EGM.
- If this feature is disabled or the limit has been reached, the Communicator will not perform a PII.
- If disabled, the PII setting may be changed on the website and the patient will be able to perform a PII immediately.

PII preference may be set for all patients in a patient group or for individual patients.

- **Configuring Patient Initiated Interrogations for Patient Group:**

1. Select **Manage Clinic** from the top navigation bar.
2. Select **Manage Clinic Settings**.
3. Next to the selected Patient Group, Click **Edit/View Schedule and Alert Defaults**.
4. Scroll to **Patient-Initiated Interrogations**.
5. Turn on and off this setting by clicking the check box next to **Enable patient initiated interrogations (allows 5 per week)**.
6. Click **Save and Close**.




- **Configuring Patient Initiated Interrogations for Individual Patients:**

1. From the **View Patient List**, select **All Patients**.
2. Scroll to the patient you want to configure (or use **Search Patients**).
3. Click the Patient name.
4. From the Summary Page, select **Edit/View Schedule and Alert Configuration**.
5. Scroll to **Patient Initiated Interrogations**.
6. Deselect the **Use Patient Group Defaults** check box.
7. Click **Save and Close**.



Edit/View Schedule and Alert Configuration

| | |
|---|--|
| Patient: [Redacted] |  (Click to Add Patient Notes) |
| Latest Device Transmission: Nov 23, 2025 01:51 EST | 6290 |
| Patient ID: [Redacted] | Patient Group: Penn State Health Milton S. Hershey Medical Center (Primary) |
| Device: L331 ACCOLADE MRI | Search Tags: None |
| Date of Birth: [Redacted] | Monitoring Status: Monitored |

Next Scheduled Remote Follow-up: [Jan 30, 2026](#) [Last Updated By](#)

Remote Scheduled Follow-ups [Last Updated By](#)

Use Patient Group Defaults (Once Every Three Months on Thursday)

Automatically set the next remote follow-up based on the following interval:

Frequency:

Day of the Week:

Manually set the next remote follow-up.

Patient Initiated Interrogations [Last Updated By](#)

Allow one Patient Initiated Interrogation

Use Patient Group Defaults (Enabled)

Enable patient initiated interrogations (allows 5 per week)



Communicator Connectivity Options

All Communicator models may send patient data using one of the following connectivity options:

- 4G USB Cellular Adapter (6213)
- Ethernet Adapter





LATITUDE™ Customer Support – 1800 528 488 (Australia) or 0508 200 886 (New Zealand)

Dedicated support to assist clinicians in implementing and using the LATITUDE system:

- Guidance regarding LATITUDE system set-up and website navigation
- One-on-one assistance with configuration of customizable alert and remote interrogation options

Boston Scientific Patient Support – 1 800 528 488 (Australia) or 0508 200 886 (New Zealand)

Dedicated support to assist patients and their families:

- Assistance with initial equipment set-up and operation
- Assistance with any implanted device-related questions

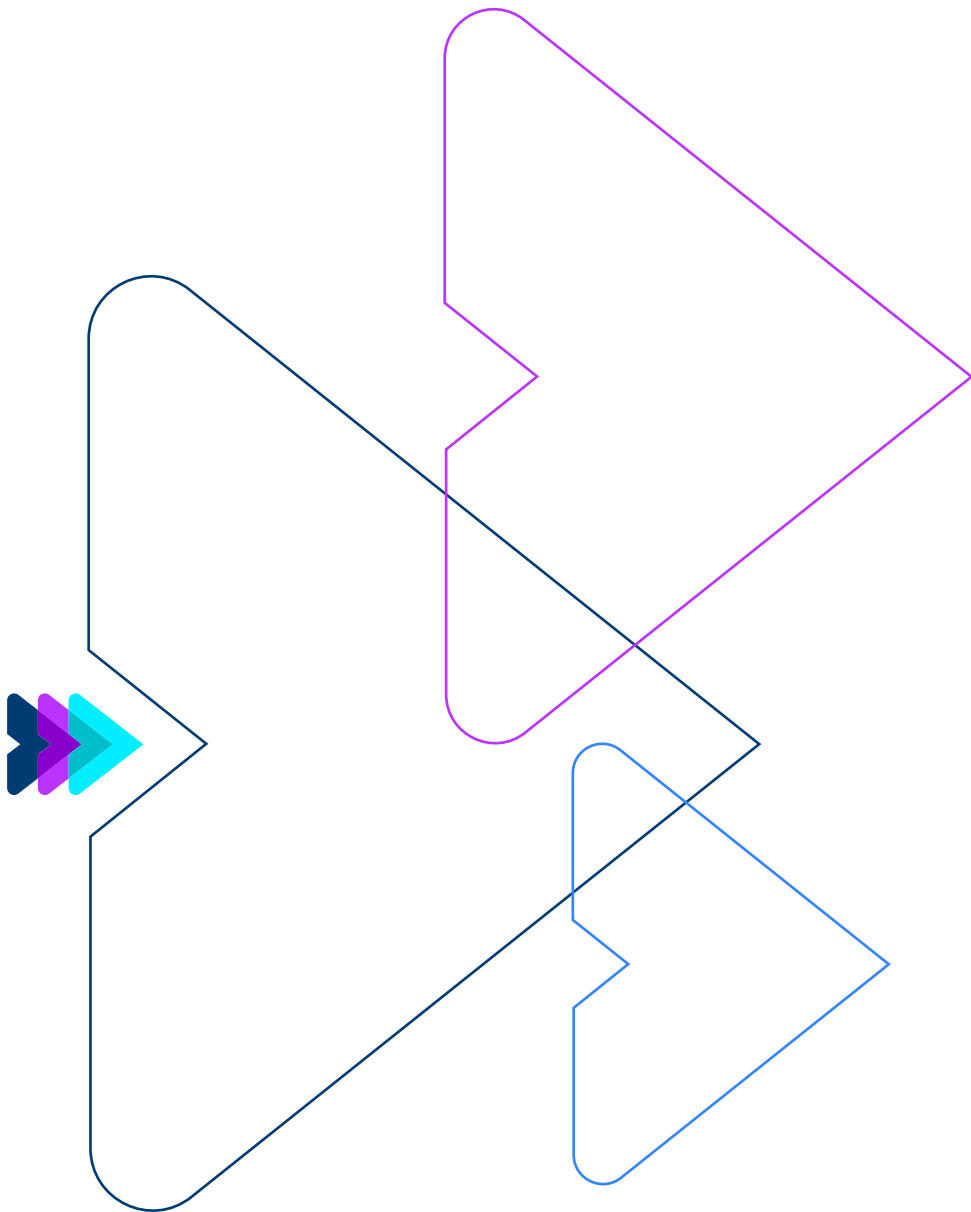
CRM Technical Services – 1800 245 559 (Australia) or 0508 200 886 (New Zealand)

Dedicated support for device-related questions, including data on the LATITUDE system:

- Comprehensive device, lead and EGM/EKG consultation on data displayed in LATITUDE and/or the programmer
- Assistance with Red and/or Yellow Alert questions

Refer to the product labeling for specific instructions: <https://www.bostonscientific.com/elabeling/au/en/home.html> or call technical Services

- #51345281-001⇒ Patient Manual Communicator Models 6288/6290



CAUTION: The law restricts these devices to sale by or on the order of a physician. Indications, contraindications, warnings, and instructions for use can be found in the product labelling supplied with each device or at www.IFU-BSCI.com. CRM-88607-AF

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