



**ASSERT-IQ™**  
INSERTABLE CARDIAC MONITOR (ICM)



# MERLIN.NET™ PCN REMOTE PROGRAMMING GUIDE

# FLEXIBLE WORKFLOW TO OPTIMIZE PATIENT CARE

The NEW Assert-IQ™ ICM features the longest lasting battery at full performance, delivering clinically actionable data, IQ insights that go beyond diagnostics, and remote programmability. Remote programming allows you to adjust the settings of the device, optimize performance, and limit unnecessary alerts or transmissions for connected devices - all without requiring the patient to visit the clinic.

## REMOTE PROGRAMMING IN THE MERLIN.NET™ PCN IS **EASY, INTUITIVE, AND SECURE**



**CLINICIAN INITIATES  
REPROGRAMMING  
REQUEST** via  
Merlin.net™ PCN.

Reprogramming request  
is **TRANSMITTED TO  
THE PATIENT myMerlin™  
Mobile App** on a connected  
device without the need for  
an office visit.

**NEW  
SETTINGS  
ARE SENT  
TO THE  
CONNECTED  
DEVICE.**

# STEP 1: INITIATE A REMOTE PROGRAMMING SESSION

Once you have identified a patient who needs device optimization, **click on the patient name to go to the Patient Profile tab.**

Jones, Samantha

The screenshot shows the Abbott Merlin.net Patient Care Network interface. At the top, it says 'Signed in as A Grant' and 'Merlin.net™ Patient Care Network'. Below the header, there are tabs for 'Recent Transmissions', 'Patient List', 'Tools', and 'Clinic Administration'. The 'Patient List' tab is active, showing a table of patients. The first row is for 'Jones Samantha', with device 'Assert-IQ™ EL+ ICM, DM5500-511002665', implant date '01-11-2023', and '25 Remote 0 In-clinic' transmissions. A callout box from the left points to the name 'Jones Samantha' in the 'Patient' column.

Patient	Device	Implant Date	All Transmissions	Latest Transmission	Next Transmission	Latest Comments
Jones Samantha	Assert-IQ™ EL+ ICM, DM5500-511002665	01-11-2023	25 Remote 0 In-clinic	04-07-2023 09:25 AM	none	

If you are viewing a transmission and want to make setting adjustments for that patient, the Patient Profile tab is on the left.

Patient Profile

The screenshot shows the Abbott Merlin.net Patient Care Network interface with the 'Patient Profile' tab selected. The patient name 'Jones Samantha' is at the top. Below it, there are tabs for 'Patient profile', 'Transmission', 'All Transmissions', 'DirectTrend™ Viewer', 'Patient Summary', and 'Clinical Comments'. The 'Patient profile' tab is active, showing a 'Transmission' for 'Date : 04-07-2023 09:25 AM' with 'Key Episodes enabled'. The main content area displays a 'FastPath™ Summary' for the device 'Assert-IQ™ EL+ ICM 5500-511002668'. It includes a 'Reason for Monitoring' of 'Ventricular Tachycardia', 'Episode Counts and Settings' table, 'Alerts' section with a 'Clinical' alert for 'Pause Episode Detected Apr 7, 2023', and an 'Information' section noting 'The Patient Date of Birth has not been set'. A callout box from the left points to the 'Patient Profile' tab.

Transmission Date : 04-07-2023 09:25 AM Key Episodes enabled

**FastPath™ Summary**

Reason for Monitoring: **Ventricular Tachycardia**

Implant Date: Jan 13, 2023

Last Remote Session: Apr 6, 2023  
Last Clinic Session: Jan 18, 2023  
Last Cleared: Today (9:25 am)  
Last Programmed: Today (9:25 am)

Episode Counts	Since Last Session <1 day	Programmed Settings	Sensing
AF	0	6 min	
Tachy	0	180 bpm, 12 intervals	EGM Dynamic Range ± 0.40 mV
Brady	0	30 bpm	Max Sensitivity 0.125 mV
Pause	0	3.0 sec	Sense Refractory Period 200 ms
Symptom (All)	0		
Symptom (with Detection)	0		

**Alerts**

**Clinical**  
Pause Episode Detected Apr 7, 2023

**Information**  
The Patient Date of Birth has not been set

Click on **Remote Programming** from the left column then click **Edit** to initiate a remote programming session.

**Remote Programming**

Abbott Merlin.net™ Patient Care Network

Recent Transmissions Patient List Tools

Patient profile Transmission All Transmissions DirectTrend™ Viewer Patient Summary Clinical Comments

Jones Samantha Patient ID: Assert-IQ™ EL+ ICM, DM5500 Patient List > Patient profile > Remote Programming

Patient profile **Remote Programming** EDIT PRINT PROFILE

Transmitter Parameters last checked on Connectivity Latest transmission Last Programming Reason for Monitoring

04-10-2023 02:01 AM 04-07-2023 09:25 AM 04-07-2023 09:25 AM Ventricular Tachycardia

Baseline Clinical Data

SENSING

VEGM Dynamic Range Max Sensitivity  
± 0.40 mV 0.125 mV

Sense Refractory Period Sense Refractory Decay Delay Threshold Start  
250 ms 60 ms 75 %

EPISODE AND ALERTS SETTINGS

EPISODE AND ALERTS	DETECTION	SETTING	EGM TRIGGER PRIORITY	DIRECTALERTS™
AF Episode	<input checked="" type="checkbox"/>	6 min	High	
Continuous AF Episode Alert	<input checked="" type="checkbox"/>	30 min	n/a	
AF Burden Alert (Daily)	<input checked="" type="checkbox"/>	9 hours	n/a	
V. Rate during AF Alert (Daily)	<input checked="" type="checkbox"/>	100 bpm for 6 hours	n/a	
Tachy Episode	<input checked="" type="checkbox"/>	180 bpm for 12 intervals	High	

Abbott Merlin.net™ Patient Care Network

Recent Transmissions Patient List Tools

Patient profile Transmission All Transmissions DirectTrend™ Viewer Patient Summary Clinical Comments

Jones Samantha Patient ID: Assert-IQ™ EL+ ICM, DM5500 Patient List > Patient profile > Remote Programming

Patient profile **Remote Programming** EDIT PRINT PROFILE

Transmitter Parameters last checked on Connectivity Latest transmission Last Programming Reason for Monitoring

04-10-2023 02:01 AM 04-07-2023 09:25 AM 04-07-2023 09:25 AM Ventricular Tachycardia

Baseline Clinical Data

SENSING

VEGM Dynamic Range Max Sensitivity  
± 0.40 mV 0.125 mV

Sense Refractory Period Sense Refractory Decay Delay Threshold Start  
250 ms 60 ms 75 %

EPISODE AND ALERTS SETTINGS

EPISODE AND ALERTS	DETECTION	SETTING	EGM TRIGGER PRIORITY	DIRECTALERTS™
AF Episode	<input checked="" type="checkbox"/>	6 min	High	
Continuous AF Episode Alert	<input checked="" type="checkbox"/>	30 min	n/a	
AF Burden Alert (Daily)	<input checked="" type="checkbox"/>	9 hours	n/a	
V. Rate during AF Alert (Daily)	<input checked="" type="checkbox"/>	100 bpm for 6 hours	n/a	
Tachy Episode	<input checked="" type="checkbox"/>	180 bpm for 12 intervals	High	

# STEP 2: TWO-FACTOR AUTHENTICATION

You can choose to complete the two-factor authentication process with a **text message or email**.

You will only complete this process once per Merlin.net™ PCN session.

*This is a secure process to ensure only authorized personnel make programming changes.*

**Additional Log On Security**

An Authentication Code is required to Remotely Program patients.  
1. Select the delivery method  
2. Press "Get Authentication Code"  
3. Enter received code and press "Continue".

Select the delivery method to receive an Authentication Code.

**Text message**  \*\*\*\*\*7890

**Email**  n\*\*\*\*\*@gmail.com

**Get Authentication Code**

Authentication code  **Continue** **Cancel**

# STEP 3: MAKE SETTING ADJUSTMENTS REMOTELY & SAVE

Begin making the desired setting adjustments to optimize your patient's device.

Click Save.

**Abbott** Signed in as A Grant Help Switch to Sign Out  
Merlin.net™ Patient Care Network

Recent Transmissions Patient List Tools Clinic Administration

Patient profile Transmission All Transmissions DirectTrend™ Viewer Patient Summary Clinical Comments

Jones Samantha Patient ID: Assert-IQ™ EL+ ICM, DM5500  
Recent Transmissions > Patient profile > Remote Programming

**Remote Programming** CANCEL **SAVE**

PRINT PROFILE

Patient & Device Data  
Transmitter  
Follow-up Schedule Parameters last checked on  
DirectAlerts™ Notification Connectivity  
Remote Programming 04-10-2023 02:01 AM  
Baseline Clinical Data

Latest transmission 04-07-2023 09:25 AM  
Last Programming 04-07-2023 09:25 AM  
Reason for Monitoring Ventricular Tachycardia  
Programming History

**SENSING**

VEGM Dynamic Range ± 0.40 mV  
Max Sensitivity 0.125 mV  
Sense Refractory Period 250 ms  
Sense Refractory Decay Delay 60 ms  
Threshold Start 75 %

**EPISODE AND ALERTS SETTINGS**

EPISODE AND ALERTS	DETECTION	SETTING	EGM TRIGGER PRIORITY	DIRECTALERTS™
AF Episode	<input checked="" type="checkbox"/>	10 min	Low	
Continuous AF Episode Alert	<input checked="" type="checkbox"/>	30 min	n/a	
AF Burden Alert (Daily)	<input checked="" type="checkbox"/>	9 hours	n/a	
V. Rate during AF Alert (Daily)	<input checked="" type="checkbox"/>	100 bpm for 6 hours	n/a	

SAVE

## Click Accept.

You can record any notes for this remote programming session in the notes section.

The screenshot shows the Abbott Merlin.net Patient Care Network interface. A 'Remote Programming' dialog box is open, displaying 'EPISODE AND ALERTS SETTINGS' with columns for 'INITIAL' and 'PROPOSED'. The settings include 'Continuous AF threshold' (2 min to 6 min) and 'AF Duration' (0.5 min to 1 min). A 'Note' field is present, and an 'ACCEPT' button is highlighted with a blue callout box. The background shows patient profile information for 'test 71000005'.

The pending status banner confirms the remote programming changes were sent to the patient's myMerlin™ Mobile App.

The screenshot shows the Abbott Merlin.net Patient Care Network interface for patient 'Jones Samantha'. A purple banner at the top of the 'Remote Programming' section states: 'The parameter values were sent on 04-24-2023 10:14 AM and are still pending. See Programming History for details.' Below this, a table shows the status of the programming: 'Parameters last checked on' (04-10-2023 02:01 AM), 'Connectivity' (green checkmark), 'Latest transmission' (04-07-2023 09:25 AM), 'Last Programming' (04-07-2023 09:25 AM), and 'Reason for Monitoring' (Ventricular Tachycardia). The 'SENSING' section shows VEGM Dynamic Range (± 0.40 mV) and Max Sensitivity (0.125 mV). The 'EPISODE AND ALERTS SETTINGS' table is also visible.

EPISODE AND ALERTS	DETECTION	SETTING	EGM TRIGGER PRIORITY	DIRECTALERTS™
AF Episode	<input checked="" type="checkbox"/>	6 min	High	
Continuous AF Episode Alert	<input checked="" type="checkbox"/>	30 min	n/a	
AF Burden Alert (Daily)	<input checked="" type="checkbox"/>	9 hours	n/a	

Once the myMerlin™ Mobile App is connected to the patient's Assert-IQ™ ICM, the adjustments will be made to the device.

You can view the status of all remote programming sessions by clicking on the **Patient List** tab and filtering the results by **Patients with pending or unsuccessful remote programming**.

Once the remote programming changes are made to the patient's Assert-IQ ICM, a transmission will show in the **Recent Transmission** tab with a date and time stamp. The Merlin.net PCN will continuously attempt to send the remote programming adjustments to the patient's myMerlin Mobile App for 72 hours.

The screenshot shows the Abbott Merlin.net Patient Care Network interface. The 'Patient List' tab is active. A dropdown menu is open, showing various filter options. The option 'Patients with pending or unsuccessful remote programming' is highlighted. A callout box below the screenshot points to this filter.

Patient	All Transmissions	Latest Transmission	Next Transmission	Latest Comments	
Jones Samantha	25 Remote 0 In-clinic	04-07-2023 09:25 AM	none		

The screenshot shows the Abbott Merlin.net Patient Care Network interface with the filter 'Patients with pending or unsuccessful remote programming' applied. The patient list shows a single entry for Jones Samantha.

Patient	Device	Remote Programming	Latest Transmission	Next Transmission	Connectivity	Last Transmitter Communication	Latest Comments	
Jones Samantha	Assert-IQ™ EL+ ICM, DM5500 511002668	Pending	04-24-2023 10:14 AM	04-07-2023 09:25 AM	none	04-21-2023		

For any questions, please reach out to your Abbott Sales Representative.

For technical support please contact the Remote Care Technical Support Team at 1-877-696-3754, or email myMerlin@abbott.com.



# Scan the QR code to watch the Remote Programming Video.

## Rx Only

**Brief Summary:** Prior to using these devices, please review the Instructions for Use for a complete listing of indications, contraindications, warnings, precautions, potential adverse events and directions for use.

**Indications for Use:** The Assert-IQ™ ICM is indicated for the monitoring and diagnostic evaluation of patients who experience unexplained symptoms that may be cardiac-related such as: dizziness, palpitations, chest pain, syncope, and shortness of breath, as well as patients who are at risk for cardiac arrhythmias such as bradycardia, tachycardia, and sinus pauses.

The Assert-IQ ICM is also indicated for patients who have been previously diagnosed with atrial fibrillation (AF) or who are susceptible to developing AF. The Assert-IQ ICM is intended to be inserted subcutaneously in the left pectoral region, also described as the left anterior chest wall. The Assert-IQ ICM has not been specifically tested for pediatric use.

**Intended Use:** The Assert-IQ ICM is intended to help physicians and clinicians monitor, diagnose and document the heart rhythm in patients who are susceptible to cardiac arrhythmias and unexplained symptoms by detecting arrhythmias and transmitting data for review.

**Contraindications:** There are no known contraindications for the insertion of the Assert-IQ ICM. However, the patient's particular medical condition may dictate whether or not a subcutaneous, chronically inserted device can be tolerated.

**Potential Adverse Events:** Possible adverse events (in alphabetical order) associated with the device, include the following: allergic reaction, bleeding, chronic nerve damage, erosion, excessive fibrotic tissue growth, extrusion, formation of hematomas or cysts, infection, keloid formation and migration.

Refer to the User's Manual for detailed indications for use, contraindications, warnings, precautions and potential adverse events.

Remote Programming with Merlin.net PCN is only available for DM5500 and DM5300 models.

™ Indicates a trademark of the Abbott group of companies.

‡ Indicates a third-party trademark, which is property of its respective owner

Bluetooth and Bluetooth logo are registered trademarks of Bluetooth SIG, Inc.

## Abbott

15900 Valley View Court, Sylmar, CA 91342

Tel: +1 818 362 6822

Abbott.com

© 2023 Abbott. All Rights Reserved.

MAT-2304565 v1.0 | Item approved for U.S. use.

