

# Impulse IQ Connect Graphical User Interface IFU



Adjust to the Frequency

# ImpulseAdjusting SYSTEM<sup>®</sup>

# Instructions for Use (IFU)

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## Device Identification

Device: **Graphical User Interface (GUI)**

Applies to: **Impulse IQ Connect • ProAdjuster** Branded Software

Manufacturer: Neuromechanical Innovations  
9831 S. 51<sup>st</sup> Street  
Phoenix, AZ 85044  
www.neuromechanical.com

Version: Rev. 001

Intended Environment: Professional healthcare settings (clinics, offices)

Associated Device: FDA-registered Impulse iQ Connect device

Date: 9-16-2025

- For clarity and consistency, the term Graphical User Interface associated with the Impulse iQ Connect and ProAdjuster branded Software will be abbreviated as “GUI” throughout this document. All references to GUI specifically pertain to the Graphical User Interface.

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## Intended Use Device Identification

The Impulse iQ Connect GUI is intended for use as a software application that collects, displays, and records treatment data transmitted via Bluetooth from the FDA-registered Impulse iQ Connect handheld device. The GUI provides clinicians with visual representations of treatment parameters for review and documentation purposes. The GUI does not deliver treatment, influence therapy, or interact directly with the patient.



## Reference to Impulse iQ Connect Device

For clarity throughout this document, the **Impulse iQ Connect handheld device** may be referred to simply as the “**Device**.” Any references to the **Device** are specific to the FDA-registered Impulse iQ Connect handheld treatment instrument.

## Contraindications

The GUI is not intended to provide medical recommendations or treatment decisions. All treatments must be determined and administered solely on the basis of the licensed practitioner’s professional clinical judgment. The data displayed on the GUI, including adjustment counts, force, stiffness, mobility changes, or visit scores, are provided for informational purposes only and should not be used as the sole basis for diagnosis, treatment planning, or clinical decision-making.

## Warnings




-  The GUI does not provide patient treatment. It is intended only to display and record data transmitted from the Impulse iQ Connect device.
-  Do not use the GUI as a substitute for clinical judgment. All treatment decisions must be based on the licensed practitioner’s evaluation of the patient.
















- ⚠ Use only with the FDA-registered Impulse iQ Connect device. Attempting to use with non-validated devices may result in inaccurate or misleading information.
- ⚠ Electrical safety must be maintained. When connected to external power, ensure cords are positioned to avoid trip hazards.
- ⚠ Do not modify the software. Unauthorized changes may affect performance, compromise data accuracy, and invalidate regulatory compliance.
- ⚠ Patient privacy and data security must be protected in compliance with HIPAA, GDPR, or other applicable regulations.
- ⚠ Do not use if the GUI fails to launch, loses connection, or displays corrupted data. Discontinue use until proper function is restored.

## Precautions

- - Ensure the GUI software is properly installed and updated before use.
- - Verify Bluetooth connectivity with the Impulse iQ Connect device prior to each use.
- - Confirm that the GUI's tablet based display is connected internal battery is adequately charged. When using external power, secure cords to prevent trip hazards.
- - Use the GUI only in environments that meet recommended operating conditions (temperature, humidity, lighting).
- - Only trained healthcare professionals should operate the GUI.
- - Review all data displayed in context with clinical findings. Data should be considered supportive, not definitive.
- - Patient data is regularly backed up upon Software connectivity with internet.
- - Do not share user login credentials. Each clinician should maintain a unique account.
- - Disconnect the GUI from power before cleaning external components, following approved procedures.

## Symbols and Abbreviations

Symbol	Meaning	Standard Reference
	Manufacturer	ISO 15223-1
	Country of manufacture (USA)	ISO 15223-1
	Distributor	ISO 20417-2020

	Medical Device	ISO 15223-1
	Model	ISO 15223-1
	Unique Device Identifier	ISO 20417-2020
	Warning – consult Instructions for Use	ISO 15223-1
	Consult Instructions for Use	ISO 15223-1
	Patient Information Website	ISO 7000
	Power on/off	IEC 60417-5009
	Device in operation / processing	IEC 60601-1
	Dry Environment Use	ISO 20417
	Humidity Limitation	IEC 60601-1
	International Device Disposal	IEC 63395
	External power connection	IEC 60417-5007
	Adjustment successful (mobility maximized)	Device convention (Connect Only)
	Adjustment successful audible beep (mobility maximized)	Device convention (Impulse IQ Only)
	Adjustment unsuccessful	Device convention

Tx	Times (number of applications delivered to a level)	Device convention
N	Newtons – unit of force	SI Unit

## Definitions

Level – Refers to the body part or spinal level being treated.

Side – Refers to the side of the body, or the side of a specific level, when the level does not have a left/right orientation.

Vector – The angle of drive at which the thrusts are delivered to the level.

Application – Applying the treatment instrument to the patient for one complete cycle.

Cycle – The application of the treatment device to the patient in which a variable number of thrusts are delivered until the device stops thrusting, as defined in the device IFU.

Adjustment Chart – The bottom section of the “Adjust and Review” screen, where adjustment data is populated horizontally on a single line for each application of treatment within a level.

Protocol(s) – One or more defined treatment applications delivered to specific anatomical levels.

Thrusts – The number of times the instrument cycles in a forward motion into the level.

Force – The Newtons (N) of thrust force used during the application of treatment.

Adjustment # – Indicates which level is being reviewed or treated.

Dose – The total number of thrusts delivered to the level.

Mobility Results Chart – Displays pre-treatment, post-treatment, and percentage change values, using average pre- and post-treatment resonant frequency to reflect stiffness, mobility, and mobility change.

Visit Score – Depicts overall joint mobility based on the resonant frequency average of all levels adjusted during a visit.

Adjustments – Refers to the overall number of levels treated during the visit..

Average Dose – The average number of thrusts recorded per level during the visit.

Visit Dose – The total number of thrusts delivered during the overall visit.

Adjustment Frequency Meter – Visually represents the frequency/speed of thrusts in real time.

Result – Indicates whether the adjustment maximized mobility at the conclusion of the application, represented by a green arrow (successful) or red “X” (unsuccessful).

PART Findings – A clinical acronym used to identify findings at a level. When selected, this indicates a finding for the associated level.

Tx – Refers to 'times,' meaning the number of applications delivered to a level.

Play List – Refers to the list of adjustment levels populated on the Adjustment Chart.

## Set Up

### Startup and Navigation

To start the Impulse iQ Connect GUI, press and hold the computer/tablet power button until the display turns on. After the system boots, the main display appears. Select the Connect Software icon to launch the application and open the Home screen. From the Home screen, you can pair the device, review data, and access user settings.

### User Login and Logout

Each clinician must log in with a unique username and password. At the end of a session, select Logout from the Home screen to exit securely. Logging out protects patient data and prevents unauthorized access.

### Device Pairing and Reconnection

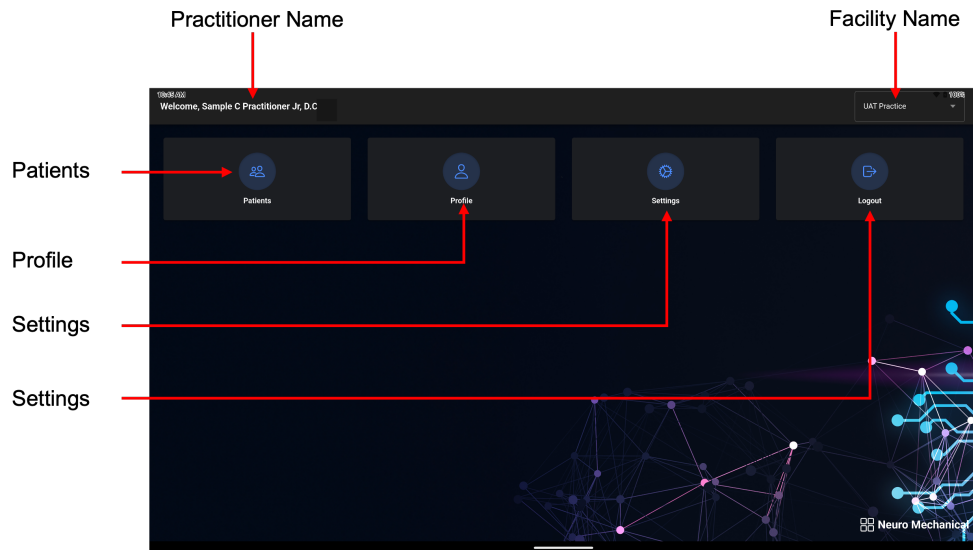
Ensure Bluetooth is enabled on both the GUI and the Impulse iQ Connect device. From the Home screen, select Device Pairing and choose the correct device from the list. If connection is lost during use, return to the Home screen, select Reconnect, and re-establish the link.

### Home Screen Information

The Home Screen is the navigation starting point of the Impulse iQ Connect GUI. Upon logging in, the user is directed to the Home screen, which provides access to all primary functions, including device pairing, adjustment data review, user settings, and system updates. From the Home screen, users can navigate to other sections of the GUI using clearly labeled icons and menu options. The Home screen is designed to serve as the central hub for workflow efficiency and quick access to patient treatment data review.

## Home Screen Image:

Displays the Facility Name and current GUI software version along with the Navigation tabs Patients, Profile, settings and Logout Tabs:



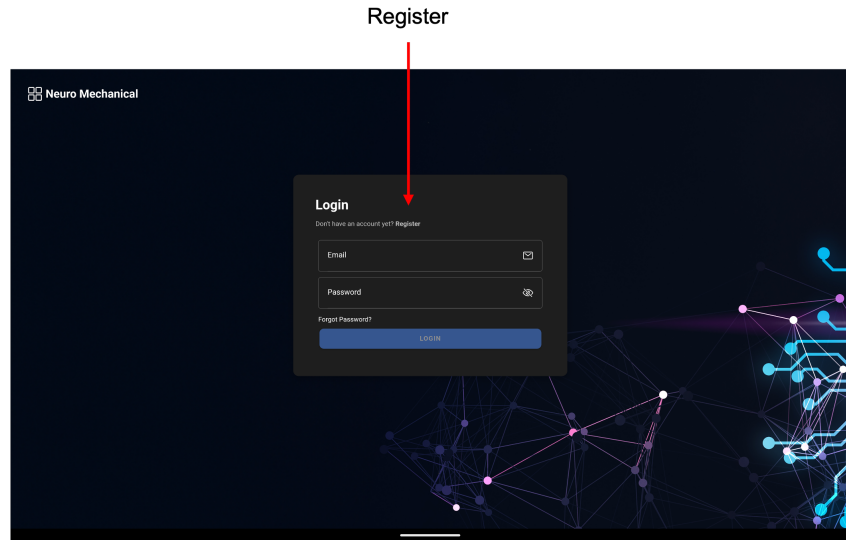
## Navigation Tabs:

- Home – Returns to the login page
- Patients – tab displays the patient selection window
- Settings – Is the administrative user setup screen
- Logout – Will Log current user out of the GUI

## User Login & Registration Window

### New User Registration:

New User Registration is initiated or completed using the 'Register' feature on the Login Screen. To access registration select the Register feature.



Complete the registration form. An administrator will receive a Practice Authorization Code from manufacturer for the initial and subsequent users.

Roles:      Provider      Staff  
                         Admin      Other

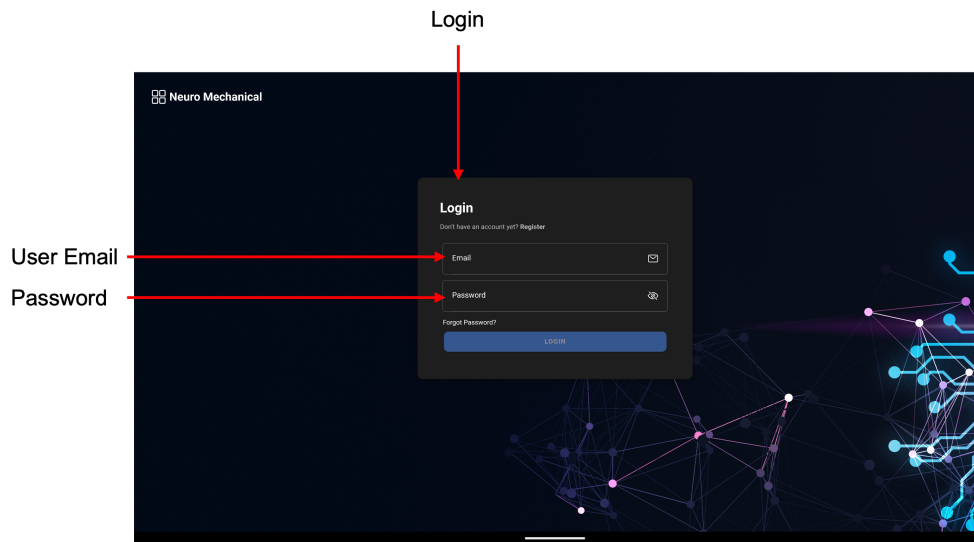
Role	Provider	Practice Admin	Practice Staff	Other
First Name	First Name	Aa		
Middle Initial	Middle Initial	Aa		
Last Name	Last Name	Aa		
Suffix	Suffix	Aa		
Credentials	Credentials	Aa		
Email	Email			
Password	Password			
Confirm	Confirm Password			
Code	Practice Link Code (Optional)			

The screenshot shows the Neuro Mechanical Register interface. At the top, it says 'Register' and 'Already have an account? Login'. Below are four role selection buttons: 'Provider', 'Practice Admin', 'Practice Staff', and 'Other'. A list of fields follows: First Name, Middle Initial, Last Name, Suffix, Credentials, Email, Password, Confirm Password, and Practice Link Code (Optional). A blue 'REGISTER' button is at the bottom. Red arrows point from the role labels above to the buttons, and from the field labels on the left to the corresponding input fields.

Access to the system may be denied following registration until licensing activation and authorization codes have been enabled through the manufacturer.

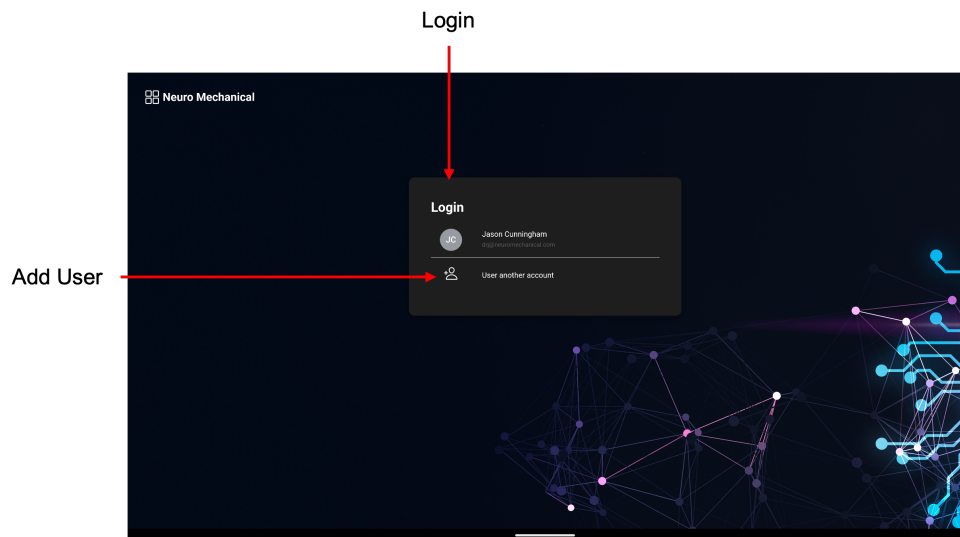
## Initial Login Window Image:

The initial Login window will populate upon first use and following software updates.



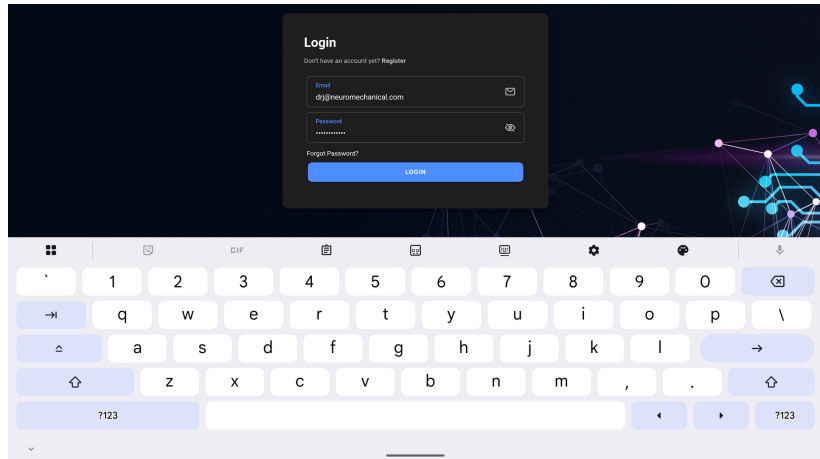
## User Login Window:

The User Login Window will populate prompting the most recent users email credentials and will require password to be entered manually. Option to add a user is also available.



## Username & Password

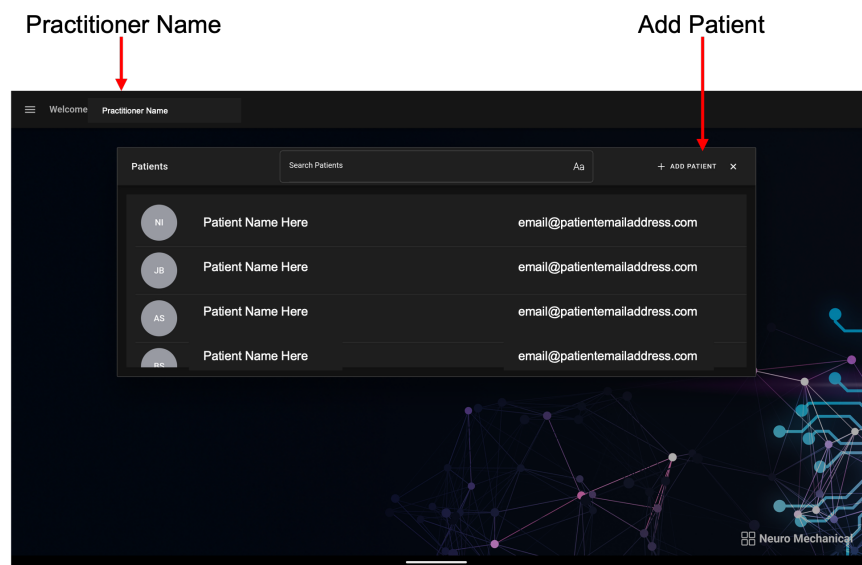
Enter Username (email) and User Password and select LOGIN.



## Patients Tab Additional Features

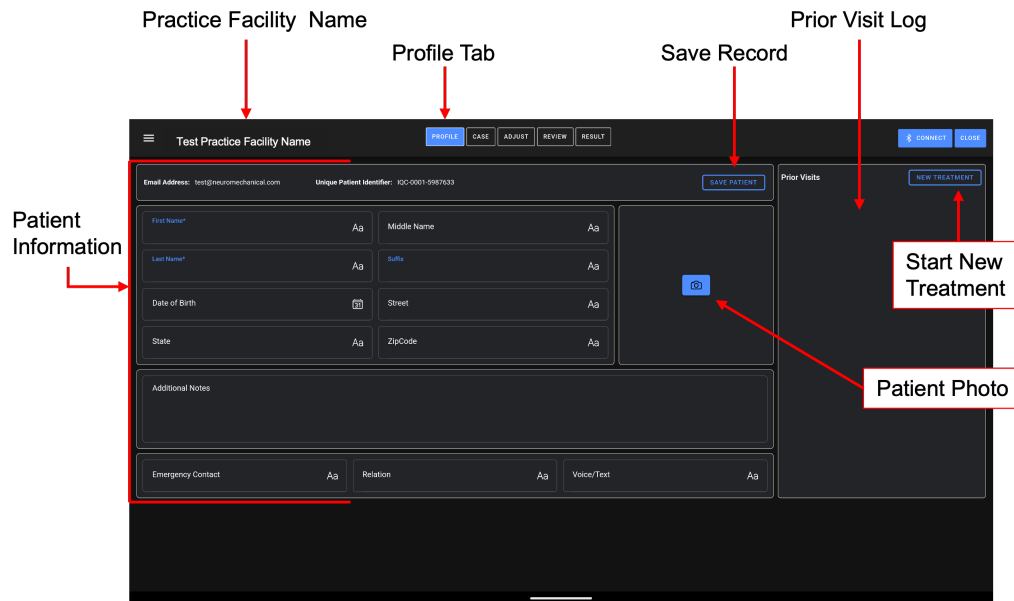
The **Patients Tab** can be accessed directly from the **Home Screen**. When opened, it presents a list of existing patients for selection. From this screen, the practitioner may:

- **Select an Existing Patient** – Highlight and select the desired patient from the displayed list to open their record.
- **Add a New Patient** – Choose the **Add New Patient** option to enter required details (fields marked with an asterisk \* must be completed), then save the record.
- **Manage Patient Records** – After saving, additional information such as notes, emergency contacts, and a patient photo may be added to the permanent record.



## Using the Patients Tab – Step-by-Step

### Patient Profile Screen Image:



- 1. Access the Patients Tab**
  - From the **Home Screen**, select the **Patients Tab** to view existing patient records or add a new patient.
- 2. Add a New Patient**
  - Select **Add New Patient**.
  - Enter required information (fields marked with an asterisk \* must be completed):
    - First name
    - Middle name
    - Last name
    - Suffix (if applicable)
    - Email address
    - Date of birth
    - Phone number
  - Click **Save Patient**.
  - Once the patient has been saved, additional details may be entered in the **Patient Profile screen**, such as:
    - Clinical notes
    - Emergency contacts
    - Patient photograph
    - Other supplemental information
  - These details become part of the patient's permanent record.
- 3. Edit Patient Information**
  - To update an existing patient record, select the patient from the **Patients Tab** and edit any necessary fields within the **Patient Profile**.

- Select the **Save Patient** button to ensure updates are stored in the system.
- 4. **Select Patient for Treatment**
  - From the **Patients Tab**, highlight and select the patient. The **Patient Profile screen** will open.
  - The **Main Header** is now visible, and related navigation tabs (**Profile, Adjust, Review, Results**) will be displayed for that patient.
  - To review prior visits, select the desired visit from the **Prior Visits list**.
  - To start a new visit and record adjustment data:
    - Select the **New Treatment** button in the upper right-hand section adjacent to Prior Visits, **or**
    - Select the **Adjust Tab** within the Main Header to enter Adjust Mode.

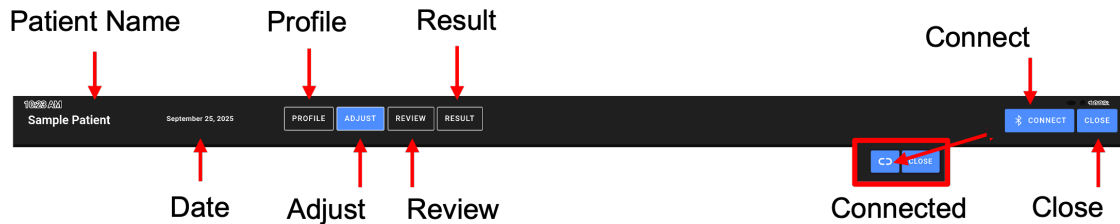
### Patient Profile Additional Features

The **Patient Profile** tab provides a detailed view of patient information and treatment history. Added features include:

- **Photo Upload** – A patient photo can be uploaded directly into the profile using a connected camera.
- **Prior Visits Section** – Displays a list of prior treatments.
  - **Recent Visits** – Prior visits within a limited time frame may be recalled directly into the **Adjust Screen** for comparison or continuity of care.
  - **Older Visits** – Older visits cannot be recalled into the Adjust Screen. Instead, they may be selected in the **Prior Visits** window, and when selected, they will open in the **Review Screen** for detailed examination.
- **Start New Treatment** – A new treatment session can be initiated by selecting the **New Treatment** button. This action will open a new visit in the **Adjust Screen**.

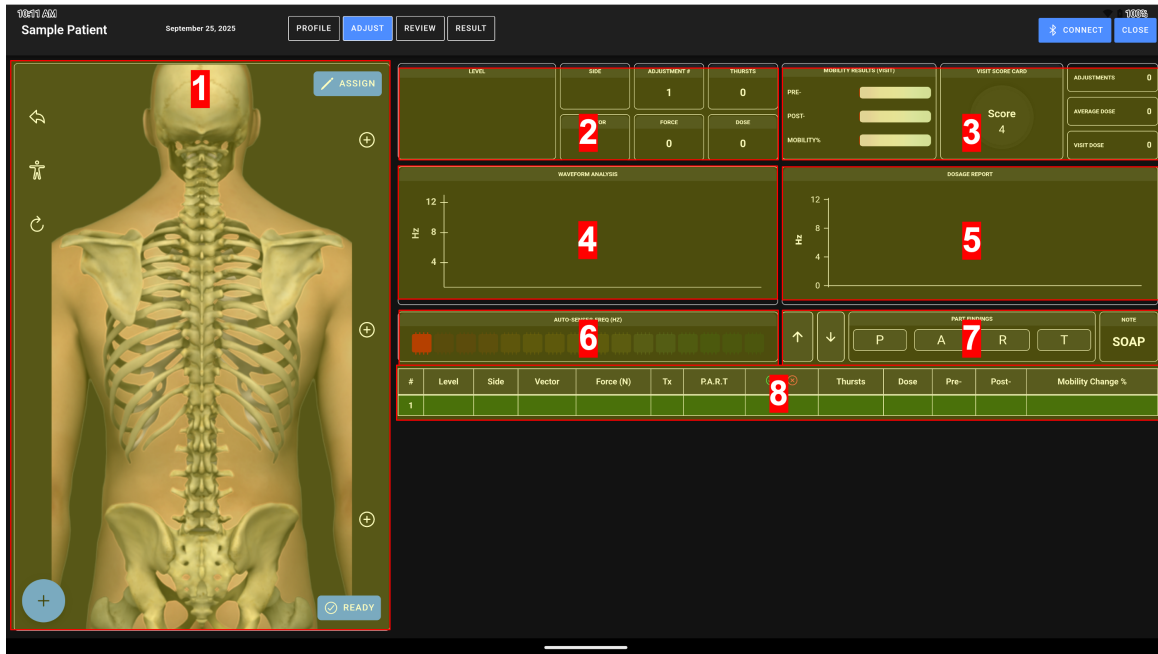
## Main Header and Navigation Tabs

Once a patient is selected, the **Main Header** is displayed at the top of the screen. This header includes several navigation tabs and indicators that guide the user through patient management and treatment activities:



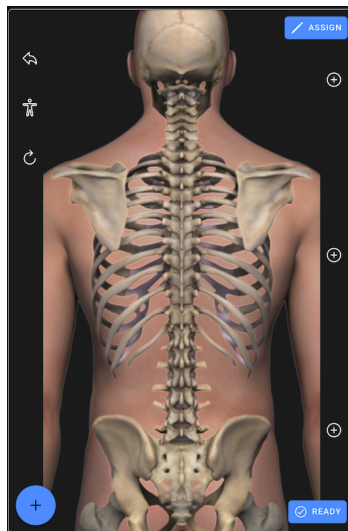
- **Practice and Facility Name** – Displays the practice and facility name for reference.
- **Profile Tab** – Returns the user to the patient profile, showing patient details such as demographics, contacts, and photo.
- **Adjust Tab** – When highlighted in blue, this indicates the user is viewing the **Adjust Screen**. This is where treatments are administered, and data is transmitted from the device to the GUI.
- **Review Tab** – Provides access to review past visit data, including treatment parameters and outcomes.
- **Results Tab** – Displays longitudinal data, allowing clinicians to compare treatment outcomes across multiple visits over time.
- **Connect Button and Bluetooth Icon** – Serves as a prompt for the GUI to connect to the Impulse iQ Connect handheld device.
- **Connected Icon** – Appears when the handheld device is successfully connected to the GUI.
- **Close Patient Button** – Ends the current patient session and returns the user to the home screen.

## Adjust Screen.



The **Adjust Screen** is the primary functionality of the GUI. This screen is used during the delivery and documentation of treatment sessions. It is divided into several sections, each with specific functions:

### Active Anatomy Image



Displays interactive anatomy images that allow the user to select and assign adjustment levels before or after delivering treatment.

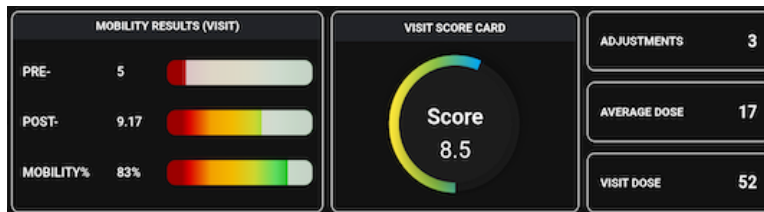
## Current Adjustment Data



Shows real-time and recorded data related to the adjustment and application of treatment, including:

- **Level Name** – The anatomical level being adjusted.
- **Side** – The side of the body or side of the level where the adjustment is applied.
- **Vector** – The direction/angle of the thrust application.
- **Adjustment Number** – Identifies the adjustment and correlates it with the bottom section chart.
- **Force** – The thrust force applied or being applied, measured in Newtons.
- **Thrusts** – The number of thrusts recorded from the Device.
- **Dose** – The total number of thrusts delivered to the respective level.

## Overall Visit Data

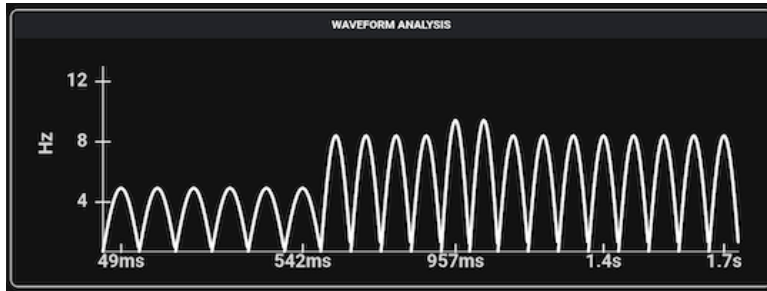


Provides a summary of treatment outcomes for the entire session.

- **Mobility Results Graph** – Displays overall mobility change across all adjusted levels, showing the percentage change derived from averaging pre- and post-mobility values.
  - *Pre-Mobility* – The initial motion of each level, generally lower, measured in Hertz (Hz).
  - *Post-Mobility* – The final motion of each level after treatment, measured in Hertz (Hz).
  - *Change Percent* – The calculated percentage difference between pre- and post-mobility averages.
- **Visit Score** – Based on the average post-mobility rating across all levels; higher scores indicate greater overall mobility improvement.
- **Adjustments Field** – Displays the total number of levels treated during the visit.
- **Average Dose Field** – Shows the average number of thrusts delivered per level during the visit.

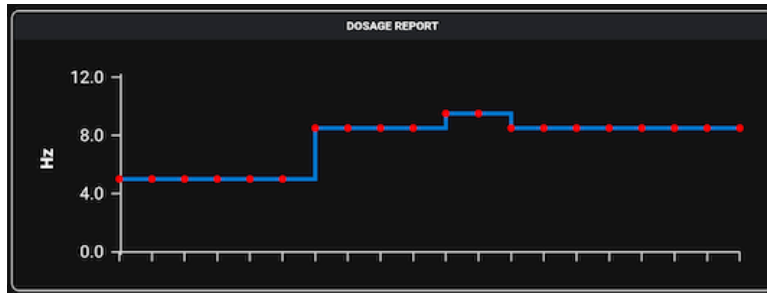
- **Visit Dose Field** – Indicates the total number of thrusts delivered across all levels in the visit.

### Waveform Analysis



Displays the waveform of thrusts recorded during treatment, allowing visual analysis of thrust dynamics.

### Dosage Report



Shows each thrust as a pulse train, with individual thrusts recorded at their corresponding thrust frequency.

### Frequency Meter



A light bar that reports the frequency or speed of the thrusts in real time, along with the current rate of mobility of the treatment area during the adjustment.

## Clinical Notes



Allows clinicians to associate **PART findings** and clinical notes with specific adjustment areas as well as the overall visit.

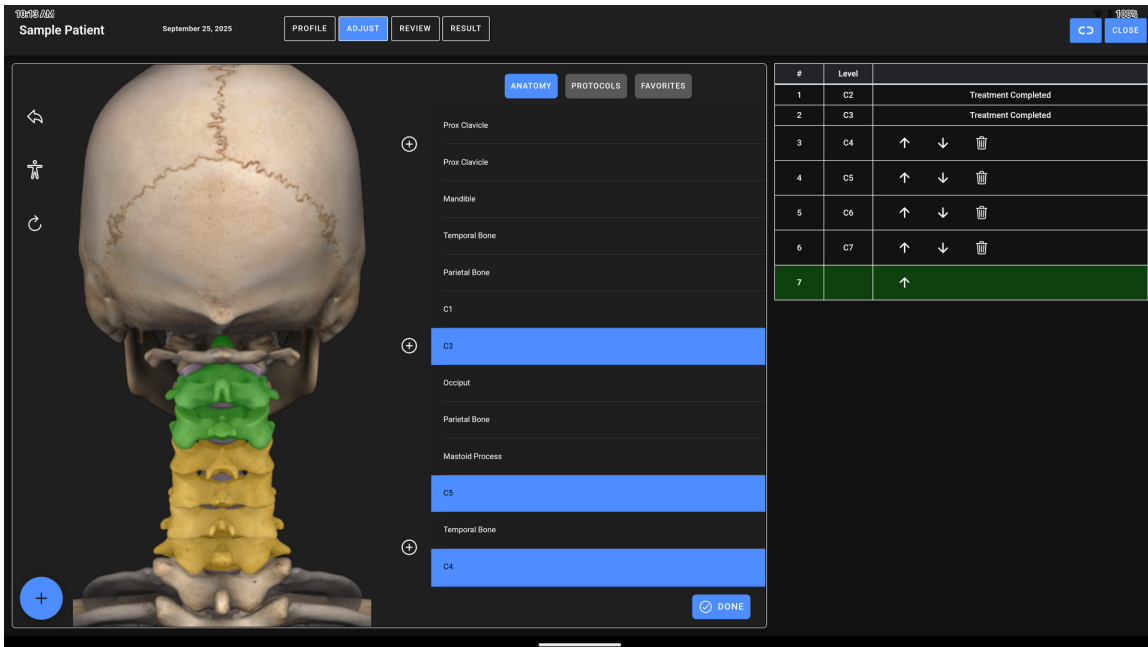
## Adjustment Chart

Located at the bottom of the screen, this chart displays a chronological visualization of treatment cycles, where each horizontal line represents one application of treatment.

#	Level	Side	Vector	Force (N)	Tx	P.A.R.T	✓ / ✗	Thursts	Dose	Pre-	Post-	Mobility Change %
1	Third Cervical	X		200	1	P,R,T	✓	20	20	5	9.17	83%
2	Fourth Cervical	R		200	1		✓	18	18	6.5	8.5	31%
3	Occiput	R		200	1		✓	14	14	5	7.5	50%

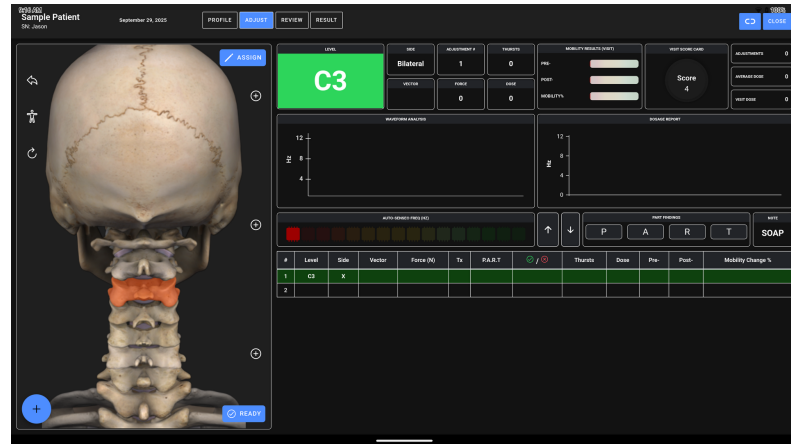
## Assign Mode

**Assign Mode** is used to generate a **Play List** or to assign levels to adjustment data as displayed on the Adjustment Chart. In Assign Mode, the clinician may add, remove, or reorder adjustment levels to reflect the intended treatment sequence.





⚠ All additional information regarding the operation, safety, and clinical use of the Device during adjustments must be referenced in the **Impulse IQ Connect Device IFU**. The GUI only displays treatment data transmitted from the Device and does not itself deliver treatment.

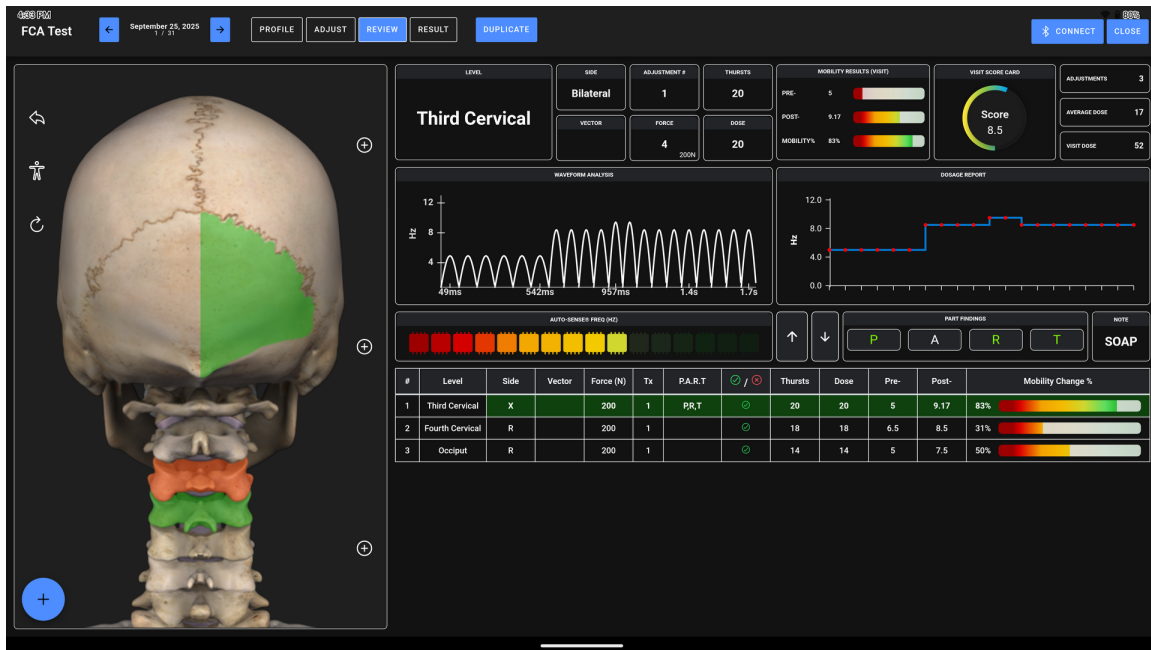


## Review Screen

The **Review Screen** is laid out in the same format as the Adjust Screen; however, it is specifically used to review prior visits in detail.

- **Data Protection** – Unlike the Adjust Screen, adjustments cannot be made in the Review Screen. This ensures that historical visit data is protected and preserved, eliminating the possibility of accidental changes or the application of new adjustment data to the wrong visit.
- **Navigation Between Visits** – The Review Screen includes a **date selector** at the top of the screen that allows the user to toggle between historical visits. In addition, users may swipe the screen left or right to move between visits.
- **Functionality** – All sections of the Adjust Screen layout are available for review, including anatomy images, adjustment data, mobility results, waveform analysis, dosage reports, and clinical notes. However, adjustment data is displayed in a **read-only format**.

## Review Screen Image:



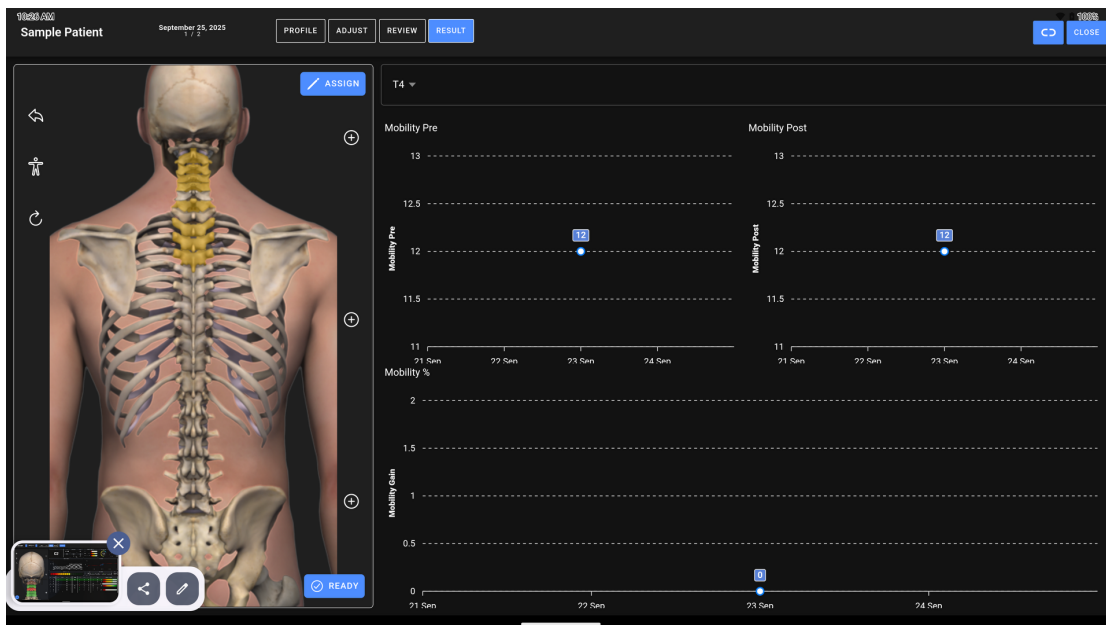
## Using the Review Screen – Step-by-Step

- 1. Access the Review Screen**
  - From the main header, select the **Review** tab. This opens the screen where prior visits can be examined in detail.
- 2. Understand Read-Only Mode**
  - The Review Screen is **read-only**. No adjustments can be made here. This ensures that past treatment data is preserved and cannot be altered or overwritten.
- 3. View Historical Visit Data**
  - The screen layout mirrors the Adjust Screen, allowing familiar navigation. All adjustment data, anatomy images, charts, waveform analyses, dosage reports, and clinical notes from prior visits are displayed.
- 4. Navigate by Date**
  - Use the **date selector** at the top of the screen to toggle between historical visits.
- 5. Swipe Between Visits**
  - Alternatively, swipe the screen **left or right** to move between visits quickly.
- 6. Review Key Metrics**
  - Examine historical adjustments, doses, mobility results, visit scores, waveform data, and clinical notes in detail. This allows longitudinal review of the patient's treatment history.
- 7. Duplicate Visit**
  - Allows clinicians to initiate a new treatment session based on a prior visit.

## Results Screen

The **Results Screen** provides access to historical visit statistics and enables clinicians to analyze treatment outcomes over time.

- **View Parameters** – Results may be displayed according to selected parameters such as **time period**, **anatomical region**, or **case**.
- **Anatomy Image** – Highlights the anatomical levels that were treated during visits matching the selected parameters.
- **Data Charts** – Display statistics by visit, in relation to the selected view parameter:
  - **Adjustments Chart** – Shows the number of levels adjusted during each visit.
  - **Visit Dose** – Indicates the total number of thrusts delivered per visit.
  - **Average Dose** – Shows the average number of thrusts delivered to levels at each visit.
  - **Mobility Results** – Displays the average percentage of change in mobility of adjusted levels, organized by visit date.
  - **Visit Score** – Based on the average mobility of the adjusted levels during each visit. The Visit Score chart provides a visual comparison of scores across visits within the selected parameters.



## Using the Results Screen – Step-by-Step

1. **Access the Results Screen**
  - From the main header, select the **Results** tab to open the screen displaying historical visit statistics.
2. **Select View Parameters**

- Choose the parameter by which results will be displayed, such as:
  - **Time Period** – Restrict results to a specific date range.
  - **Anatomical Region** – Focus results on a particular area of the body.
  - **Case** – Review results within a specific patient case file.
- 3. **Review Anatomy Image**
  - Observe the highlighted levels on the anatomy image, which indicate which anatomical areas were treated for the selected parameter.
- 4. **Analyze Data Charts**
  - Review the statistical charts displayed for each visit:
    - **Adjustments Chart** – Number of levels adjusted by visit.
    - **Visit Dose** – Total thrusts delivered during the visit.
    - **Average Dose** – Average number of thrusts per level per visit.
    - **Mobility Results** – Average percentage change in mobility by visit date.
    - **Visit Score** – Scores based on average post-mobility of levels, displayed in chart form for comparison across visits.
- 5. **Compare Outcomes**
  - Use the charts to evaluate progress across multiple visits, identifying trends in thrusts delivered, mobility change, and overall patient improvement.
- 6. **Navigate Between Views**
  - Adjust the filters at the top of the screen to switch between different view parameters, or swipe left or right to navigate across different sets of results quickly.

## Duplicate Visit

The **Duplicate Visit** feature, available from the Review Screen, enables clinicians to initiate a new treatment session based on a prior visit.

- **Starting a Duplicate Visit** – From the Review Screen, select the **Duplicate** button. This action opens the **Adjust Screen** with the prior visit's Adjustment Chart automatically loaded.
- **Play List Creation** – The duplicated adjustments appear in the form of a **Play List**, containing all levels from the reviewed visit. These levels are pre-populated and ready for application of treatment.
- **Editing the Play List** – The Play List can be modified using the **Assign Feature**. In Assign Mode, the clinician may:
  - Add additional adjustment levels,
  - Remove adjustment levels, or
  - Change the sequential order of the adjustment levels.

This feature is designed to improve efficiency when repeating or building upon prior visits, while still allowing flexibility to tailor the treatment plan as needed.

## Practitioner Profile

The **Practitioner Profile** can be accessed from the Home Screen by selecting the **Practitioner Profile icon**.

- **Editable Fields** – Within the Practitioner Profile, practitioners may edit identifying and professional information, including:
  - Name
  - License number
  - NPI number
  - Practice information
  - Associations
  - Practice codes
  - Other related professional fields
- **Protocol Favorites** – This screen also allows practitioners to manage **Protocol Favorites**.
  - The system includes a pre-populated list of **Impulse Adjusting Protocols** loaded by the manufacturer.
  - In addition, **Practice Protocols** created within the practice are available.
  - Practitioners can **drag and drop** both Impulse and Practice Protocols into the Favorites section and rearrange their order as needed.
- **Integration with Assign Mode** – The customized list of **Favorites** created in the Practitioner Profile will appear under the **Favorites tab** when the practitioner selects Assign Mode, providing quick access to preferred protocols during treatment planning.

The screenshot displays the 'Sample Patient' profile interface. At the top, there are navigation tabs: 'PROFILE' (selected), 'ADJUST', 'REVIEW', and 'RESULT'. On the right, there are 'CONNECT' and 'CLOSE' buttons. The main content area is divided into two columns. The left column contains patient information fields: 'Email Address: test@neuromechanical.com' and 'Unique Patient Identifier: IQC-0001-5987633' (with a 'SAVE PATIENT' button); 'First Name\*' (Sample) and 'Middle Name' (Aa); 'Last Name\*' (Patient) and 'Suffix' (Aa); 'Date of Birth' (calendar icon) and 'Street' (Aa); 'State' (Aa) and 'ZipCode' (Aa); 'Additional Notes' (text area); and 'Emergency Contact' (Aa), 'Relation' (Aa), and 'Voice/Text' (Aa). The right column is titled 'Prior Visits' and shows a date '23 September 2025 10:25' with a 'NEW TREATMENT' button. A camera icon is visible in the center of the patient information section.

## Using the Practitioner Profile – Step-by-Step

1. **Access the Practitioner Profile**
  - From the Home Screen, select the **Practitioner Profile icon** to open the profile settings.
2. **Review and Edit Practitioner Information**
  - Update professional details as needed, including:
    - Name
    - License number
    - NPI number
    - Practice information
    - Associations
    - Practice codes
    - Other professional fields
3. **Manage Protocol Favorites**
  - Within the Practitioner Profile, navigate to the **Protocols section**.
  - Select from the pre-populated list of **Impulse Adjusting Protocols** (provided by the manufacturer) or **Practice Protocols** (created within your practice).
4. **Add to Favorites**
  - Drag and drop selected protocols into the **Favorites section**.
  - Rearrange the order of protocols to match clinical preferences or workflow.
5. **Save and Apply Favorites**
  - Once created, the **Favorites list** is automatically saved to the practitioner's profile.
  - These favorites will be available in **Assign Mode**, under the Favorites tab, allowing quick access during treatment planning.

## Bluetooth Connection – Adjusting Instrument

To connect the **Impulse iQ Connect Device** (referred to as the *Device*) to the GUI via Bluetooth:

1. **Power On the Device**
  - Ensure the Device is powered on. The Device continuously emits a low-power Bluetooth signal detectable by the GUI.
2. **Automatic Discovery**
  - When the GUI is not connected to a Device and a powered Device is within **30 feet**, the GUI will automatically detect it.
  - A **Connect Prompt Window** will appear in the center of the screen, listing all Devices detected within Bluetooth range.
  - Each Device will be identified by its **serial number**, which is also displayed on the Device's LCD screen.
3. **Selecting a Device**
  - Verify the serial number displayed in the GUI prompt matches the serial number on the Device LCD screen.
  - Select the desired Device by touching its entry on the GUI prompt.
4. **Confirmation of Connection**

- Once connected, the **Connect button** located in the top-right of the screen will change to a **Connected symbol**.
5. **Manual Connection Option**
- Alternatively, connection may be initiated by touching the **Connect button** in the top-right corner of the screen.
  - The GUI will then begin scanning for available Devices within Bluetooth range.

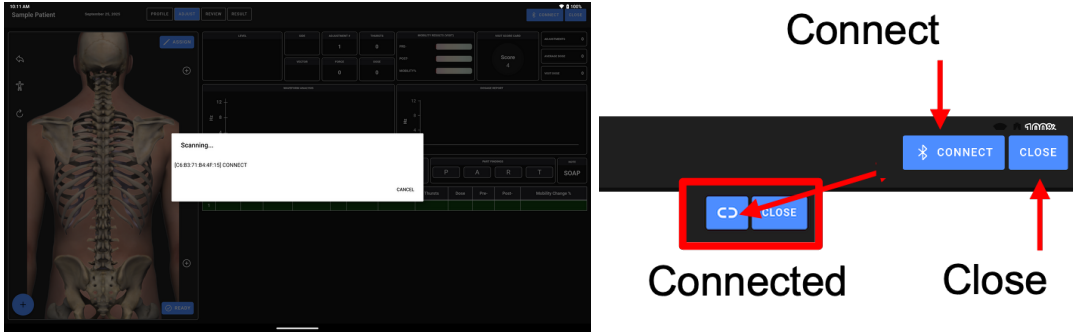


Image Above: Top right side of Header.

## Software Updates

The manufacturer automatically provides software updates to the GUI to ensure continued performance, accuracy, cybersecurity, and regulatory compliance. Updates may include functional improvements, security patches, or bug fixes. Users will be notified when updates are installed. The GUI must remain connected to the internet as instructed to receive updates. Disabling or modifying update settings is prohibited.

## Troubleshooting

If issues occur while operating the Impulse iQ Connect GUI, refer to the table below for possible causes and recommended corrective actions.

Issue	Possible Cause	Recommended Action
GUI does not power on	Battery fully depleted and external power supply is unplugged.	Connect to external power supply and try powering on again.

GUI not charging	Power cord not connected securely / faulty power adapter	Check connections, replace adapter if necessary. Ensure cord is free of damage.
GUI does not connect to Impulse iQ Connect device	Bluetooth not enabled or out of range	Ensure Bluetooth is enabled on the GUI. Place GUI within recommended range ( $\leq 10$ meters) of device.
Data not displaying correctly	Interrupted Bluetooth transmission	Disconnect and reconnect to the Impulse iQ Connect device. Restart GUI if needed.
GUI freezes or becomes unresponsive	Software error	Restart GUI. If issue persists, contact support.
Update failed	Internet connection interrupted	Check Wi-Fi connection and retry update. If problem persists, contact support.
Trip hazard from power cord	Power cord positioned across walkway	Reposition cord safely. Use battery power during treatment sessions when possible.
User unable to log in	Incorrect username or password. Subscription services have expired.	Verify login credentials. If forgotten, reset password through the system administrator. Check subscription status.

### Troubleshooting – Bluetooth Connection

If difficulties occur when connecting the **Device** to the GUI via Bluetooth, refer to the following guidance:

- **Device Not Found**
  - Ensure the Device is powered on.
  - Confirm the Device is within **30 feet** of the GUI.
  - Verify that the Device’s Bluetooth is functioning. Restart the Device if necessary.
- **Multiple Devices Detected**

- Check the **serial number** displayed on the Device's LCD screen.
- Match the correct serial number with the list shown in the GUI Connect Prompt window before selecting.
- **Connection Lost During Use**
  - If the Bluetooth connection drops during treatment, ensure the Device remains powered on and within range.
  - Reconnect by touching the **Connect button** in the GUI to search for available Devices.
- **GUI Fails to Detect Device**
  - Restart both the GUI and the Device.
  - Move the Device closer to the GUI and retry connection.

If these or other issues persist, contact technical support through the website at [www.Neuromechanical.com](http://www.Neuromechanical.com).

## Data Management, Privacy, and Security

The GUI is intended for use by trained clinicians within professional healthcare settings. Implement user account controls, strong authentication, and role-based access in accordance with facility policies. Do not share credentials. Transmit and store patient data consistent with HIPAA and applicable privacy regulations. Maintain an active network connection as instructed to receive software updates and facilitate data backup. Follow organizational policies for data retention and export to the EHR as applicable.

## Customer Support and Manufacturer Information

Manufacturer: Neuromechanical Innovations

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USA

Website: [www.neuromechanical.com](http://www.neuromechanical.com)

For technical assistance, contact the manufacturer via the website's support page.

## Document Control

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Initial Document



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