

IQ Vue®

Graphical User Interface

IFU



Adjust to the Frequency

ImpulseAdjusting

SYSTEM®

Instructions for Use (IFU)

Device Identification

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

Applies to: **IQ VUE** Branded Software

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

Version: Rev. 001 Date: 5-4-2026

Intended Environment: Professional healthcare settings (clinics, offices)

Associated Device: FDA-registered Impulse IQ® Class Instruments

- For clarity and consistency, the term Graphical User Interface associated with the IQ Vue 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 Vue® GUI is intended for use as a proprietary software application designed to display, record, and organize treatment data transmitted via Bluetooth from compatible Neuromechanical Impulse iQ® adjusting instruments.

The software supports clinicians in monitoring treatment delivery, assessing performance, and documenting patient response during patient care.

For clarity throughout this document, the companion **Impulse iQ & Impulse iQ Connect handheld devices** may be referred to simply as the “**Device**.” Any references to the **Device** are specific Impulse iQ and Impulse iQ Connect handheld treatment instruments.

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 and mobility changes, are provided for informational purposes only and should not be used as the sole basis for diagnosis, treatment planning, or clinical decision-making.

Warnings

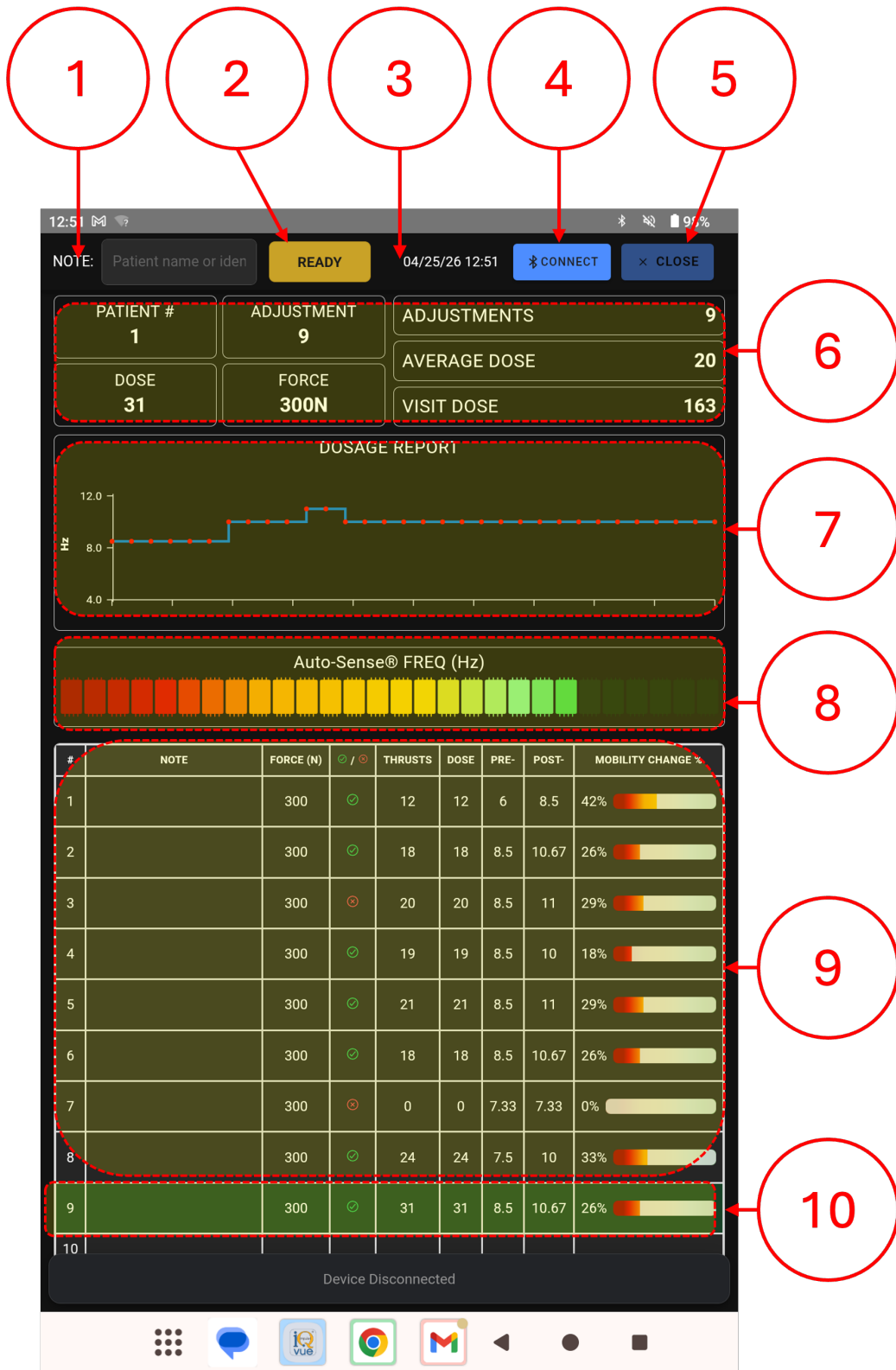
- ⚠ The GUI does not provide patient treatment. It is intended only to display and record data transmitted from the device.
- ⚠ Do not use the GUI as a substitute for clinical judgment. All treatment decisions must be based on the licensed practitioner’s evaluation of the patient.
- ⚠ Use only with an approved referenced 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 device prior to each use.
- - Confirm that the GUI's tablet 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.
- - Data is not saved or backed up.





User Interface Overview (Figure Callouts)

#	Screen Area	Description
1	NOTE Field	Patient identifier entry
2	READY / ADJUST	Device status
3	Date / Time	System timestamp
4	CONNECT	Bluetooth connection
5	CLOSE	End session / Save to PDF
6	Metrics Panel	Session metrics
7	Dosage Report Graph	Thrust visualization
8	Frequency Bar	Thrust speed indicator
9	Data Output Table	Adjustment data
10	Active Row	Current adjustment



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
	Adjustment successful audible beep (mobility maximized)	Device convention
	Adjustment unsuccessful	Device convention
Tx	Times (number of applications delivered to a level)	Device convention
N	Newtons – unit of force	SI Unit

Definitions

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

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

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.

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

Average Dose – The average number of thrusts recorded per level (treatment area) during the visit.

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

Intended Use

IQ VUE® is a proprietary software application designed to display, record, and organize treatment data transmitted via Bluetooth from compatible Neuromechanical Impulse IQ® adjusting instruments.

The software supports clinicians in monitoring treatment delivery, assessing performance, and documenting patient response during patient care.

2. System Requirements

- Android tablet (Android 15 or newer)
- Bluetooth enabled
- Compatible devices:



- Impulse IQ® II (2.0)

- Impulse IQ Connect®

3. Installation

Download the IQ VUE® application from the Google Play Store by searching “Neuromechanical IQ VUE” or visit: [IQ Vue Download on the Google Play Store](https://www.neuromechanical.com/resources) www.neuromechanical.com/resources or Scan the QR Code below.

Install and open the application.



Connecting the Adjusting Instrument

The IQ VUE® application connects via Bluetooth to Impulse IQ® II (2.0) and Impulse IQ Connect® devices.



Impulse IQ® II (2.0) Device



Impulse IQ® Connect Device

Connection Notes

Ensure the following before attempting to connect:

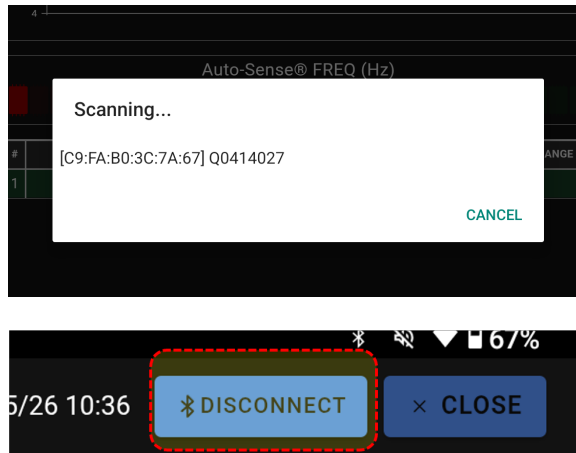
- The adjusting instrument is powered on
- Bluetooth is enabled on the tablet
- The device is within range

Initiating Connection

Select the CONNECT button located in the upper right-hand corner of the application.



Upon selection, the Bluetooth Connection Window will open and display all compatible adjusting instruments within range.

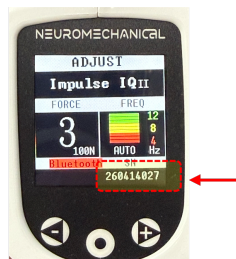


Identifying the Instrument

Each adjusting instrument is identified by a unique serial number.

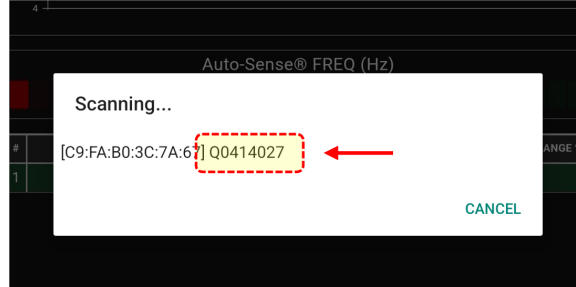
The serial number is displayed on the adjusting instrument's LCD screen in the bottom right-hand corner.

Match the serial number shown in the application with the serial number on the instrument.



Selecting and Connecting

From the list of detected devices, select the instrument with the corresponding serial number.



The application will initiate the connection.

Confirming Connection

After connection:

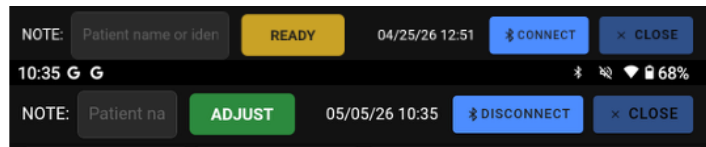
- READY (yellow) indicates the device is connected
- ADJUST (green) indicates the device is preloaded and ready

Disconnecting

To disconnect the Bluetooth Connection, click on the connection (disconnect) Button.

READY and ADJUST Indicator

The READY and ADJUST indicator provides real-time visual confirmation of device status.



READY Status

Once connected, the indicator displays READY (yellow).

This confirms:

- Device is connected
- System is operational
- Instrument is not preloaded

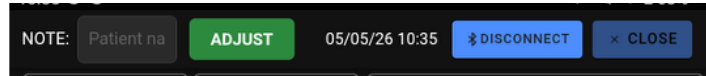


ADJUST Status

When the instrument is applied to the treatment area, it preloads.

Upon preload:

- The indicator changes to ADJUST (green)
- The device is ready to deliver treatment



Clinical Use

Clinicians should ensure ADJUST (green) is displayed before delivering an adjustment.

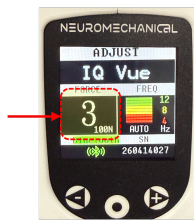
Data Output and Interpretation

Each adjustment is recorded in the data table and includes the following parameters:

FORCE (N)

Represents the force setting of the adjusting instrument, measured in Newtons (N).

The force value is determined by the setting selected on the adjusting device prior to delivering the adjustment.



THRUSTS vs DOSE

THRUSTS: Number of individual impulses delivered during a pulse-train

DOSE: Total cumulative thrusts applied to a treatment area

#	NOTE	FORCE (N)	⊕ / ⊖	THRUSTS	DOSE	PRE-	POST-	MOBILITY CHANGE %
1		100	⊕	14	47	8	9.5	18%
		100	⊕	33	↔	8	9.5	↔
2								

Thrusts →
← Dose

This distinction allows multiple treatment applications to be grouped and tracked under a single adjustment.

The image example shows two treatment applications delivered to Line #1. In the first application the number of thrusts was 14, the second was 33. The cumulative Thrust total = Dose of 47.

PRE and POST

PRE: Calculating the lower and often initial mobility of the anatomy Level (area) being treated.

POST: Calculating the later and frequently heightened mobility of the anatomy Level (area) being treated.

Pre →

#	NOTE	FORCE (N)	⊕ / ⊖	THRUSTS	DOSE	PRE-	POST-	MOBILITY CHANGE %
1		100	⊕	14	47	8	9.5	18%
		100	⊕	33	↵	8	9.5	↵
2								

← Post

These values reflect the mechanical response of the treated area by capturing the low frequency and high frequency

MOBILITY CHANGE (%)

Represents the percentage change between PRE and POST values.

Mobility Change % →

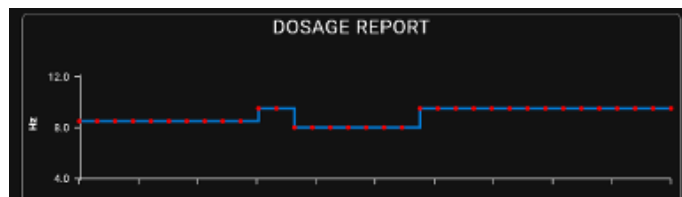
#	NOTE	FORCE (N)	⊕ / ⊖	THRUSTS	DOSE	PRE-	POST-	MOBILITY CHANGE %
1		100	⊕	14	47	8	9.5	18%
		100	⊕	33	↵	8	9.5	↵
2								

This value provides a quantitative indicator of treatment response.

Visual Feedback

Dosage Report Graph

Displays the pulse-train of thrusts delivered during the selected adjustment.



This graph allows visualization of:

- Timing of impulses
- Consistency of delivery

Frequency (Hz)

Displays the speed of thrust delivery:

- Lower frequency (~4 Hz): red
- Higher frequency (~12 Hz): green

This provides real-time visual feedback of treatment speed.



Advanced Features

Grouping Adjustments

The application allows multiple pulse-trains to be grouped under a single adjustment.

To group treatments:

- Select an existing adjustment row by touching the desired row or by double clicking the device trigger to select the previous row.
- Deliver an additional pulse-train

The data will be merged under the selected adjustment.

Clinical Use

Grouping is commonly used when:

- Applying multiple vectors
- Re-treating the same anatomical area

The NOTE field may be used to document anatomy level and support clinical records such as SOAP notes.

Ending the Session

Select the CLOSE button to end the session.

A confirmation prompt will appear with the option to save the visit as a PDF.

Ensure compliance with HIPAA and applicable privacy regulations when saving patient data.

Regulatory and Data Compliance

Users are responsible for ensuring all stored, exported, and transmitted data complies with:

- HIPAA
- Applicable FDA requirements
- CE MDR requirements

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 resources page at www.Neuromechanical.com/resources

Customer Support and Manufacturer Information

Manufacturer: Neuromechanical Innovations

9831 S. 51st Street

Phoenix, AZ 85044

USA

Website: www.neuromechanical.com

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

Document Control

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Summary of Changes

