

The complete guide to

# Sonopet **iQ**



# Leading the way to **better surgical experiences**

Conceived from international collaboration between surgeons and built around the user experience, the Sonopet iQ takes simplicity and reliability to an even higher level, leading to consistently excellent O.R. surgical experiences. Experience semi-autonomous functionality and unparalleled customization that empowers any O.R. team, any time, day or night.

## Unparalleled customization

One-step retrieval of surgeon profile

## RFID automatic optimization

instantly changes settings based on connected tip or user profile.

## Take control

Choose from three foot pedals and a hand controller for remote control from sterile or non-sterile field.

## Simpler setup; instant readiness

One-step non-sequential connections



## Greater irrigation control

Auto prime  
Increased visibility  
Designed for controlled suction pinch valve  
One-click cassette  
Integrated into end of handpiece

## One-step connections

For irrigation, suction, tubing and sleeve

## Enhanced guidance

Onscreen setup and tutorials  
Alignment dots and color-changing ports provide connection feedback.  
Large touchscreen

## Handpiece refinements

Designed for power, performance and reliability

## Capital

### Sonopet iQ Ultrasonic Aspirator Console

5500-050-000

(includes power cord, irrigation pole and hand controller)



### Sonopet iQ Hand Controller

5500-402-000



### Sonopet iQ Advanced Foot Pedal - Wired

5500-007-000



### Irrigation Pole

5100-050-028

### Cleaning Wire

5450-800-276

### U.S. Power Cord

0996-051-011SP

### Sonopet iQ Universal Angled Handpiece

5500-255-000



### Sonopet Torque Wrench, 7mm

5450-800-039



### Sonopet iQ Advanced Foot Pedal - Wireless

5500-008-000

(includes wireless receiver)



### Sonopet Cart

5450-850-410



### Sonopet iQ Sterilization Tray

5500-800-278



### Sonopet iQ Basic Foot Pedal - Wired

5500-006-000



### Sonopet iQ Wireless Receiver

5500-008-300



## Disposables

### Suction Canister

5450-851-012  
12/box



### Sonopet iQ Irrigation Suction Cassette

5500-573-000  
4/box



### Sterile Drape

5500-472-000  
4/box



## Soft tissue

### 12cm iQ Micro

5500-25S-309  
4/box

**L** 4.7in (120mm) **OD** 1.6mm **ID** 1.20mm



### 12cm iQ Standard

5500-25S-307  
4/box

**L** 4.5in (115mm) **OD** 1.92mm **ID** 1.5mm



### 12cm iQ Large

5500-25S-308  
4/box

**L** 4.7in (112.1mm) **OD** 2.49mm **ID** 2.0mm



### 20cm iQ Standard

5500-25S-301  
4/box

**L** 8.1in (205mm) **OD** 1.92mm **ID** 1.5mm



### 12cm iQ Barracuda

5500-25S-310  
4/box

**L** 4.5in (115mm) **OD** 1.92mm **ID** 1.5mm



### 12cm iQ Serrated Large

5500-25S-316  
4/box

**L** 4.6in (115.7mm) **OD** 2.51mm **ID** 2.0mm



L = Length OD = Outer diameter ID = Inside diameter

## Bone cutting

### 12cm iQ Micro Claw

5500-25B-315  
4/box

**L** 4.8in (121mm) **CL** 1.6mm **CW** 2mm



### 12cm iQ Claw

5500-25B-318  
4/box

**L** 4.8in (121mm) **CL** 1.7mm **CW** 2.8mm



### 12cm iQ 120 Claw

5500-25B-317  
4/box

**L** 4.8in (121mm) **CL** 2.58mm **CW** 3.15mm



### 12cm iQ Apex 360

5500-25B-312  
4/box

**L** 4.8in (121mm) **CL** 2.58mm **CW** 3.15mm



### 20cm iQ Apex 360

5500-25B-302  
4/box

**L** 7.9in (200mm) **CL** 2.5mm **CW** 3.15mm



### 18cm iQ Micro Claw

5500-25B-303  
4/box

**L** 7.2in (182.8mm) **CL** 1.6mm **CW** 2mm



### 18cm iQ Apex Micro Claw

5500-25B-319  
4/box

**L** 7.2in (182.8mm) **CL** 1.6mm **CW** 2mm



### 11cm iQ Knife

5500-25B-107  
4/box

**L** 4.2in (106mm) **CL** 12.5mm **CW** 0.83mm



### 11cm iQ Apex Knife

5500-25B-114  
4/box

**L** 4.2in (106mm) **CL** 12.5mm **CW** 0.83mm

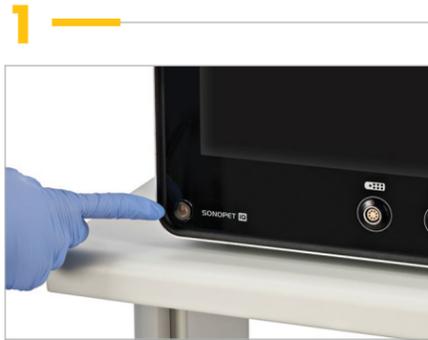


L = Length CL = Cutting length CW = Cutting width

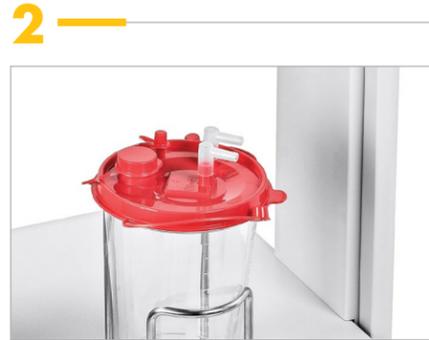


# Configured for **success**

The Sonopet iQ system works hard to support you during procedures, but its setup is routine and easy.



- Position the console so the power cord receptacle can be easily accessed
- Connect the power cord to a hospital-grade power receptacle
- Push the power button to turn the system on



- Place the suction canister on the cart and install the right-angle elbow connectors to the port of the suction canister lid



- Insert the foot pedal cable connector, or wireless dongle if using wireless pedal, into the console foot pedal port
- The port will turn from white to green when the foot pedal is connected

(See separate section for wireless foot pedal setup)



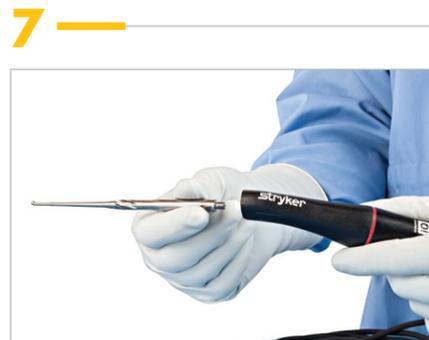
- Pass the sterilization tray, containing the handpiece and torque wrench, onto the sterile field
- The tray does not need to stay on the sterile field, only the torque wrench



- Pass the connector end of the handpiece cable out of the sterile field and connect to the console
- The handpiece port ring will blink green before a tip and sleeve is installed and solid green after it is installed



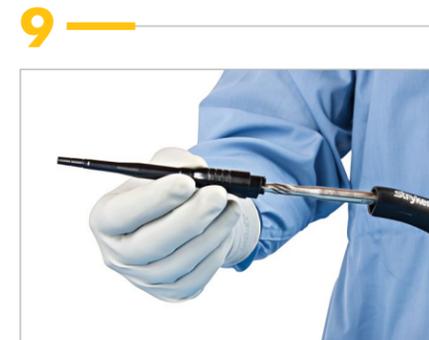
- Peel the outer packaging of the suction tubing and transfer the inner package onto the sterile field
- Retain the black plastic cleaning wire for use in case of clogged tip
- Remove and dispose the twist tie and paper holders
- Repeat this process with the tip and sleeve



- Manually thread the tip onto the handpiece until it is finger tight



- Place the torque wrench into the tip notches with the arrow facing the distal end of the tip
- Using the torque wrench, apply rotational force in the direction of the arrow. Stop tightening the tip when the torque wrench pivots around the torque wrench head at 45 degrees

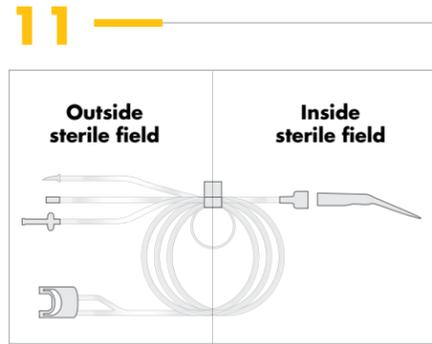


- Slide the tip sleeve over the tip and onto the handpiece until the sleeve clicks into place



- Attach the black tubing connector onto the base of the handpiece

# Setup



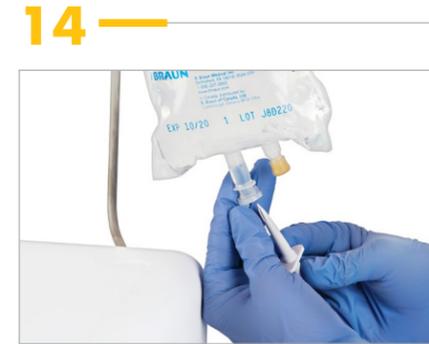
- Pass the tubing bundle with the cassette, irrigation spike and suction canister tubing off the sterile field towards the console



- Insert the cassette with the arrow pointing up into the console receptacle until an audible click is heard
- The cassette icon will turn green



- Attach the suction tube marked "vacuum" to the suction canister port marked "vacuum"
- Attach the suction tube marked 'patient' to the suction canister port marked 'patient'



- Remove the protective plug from the irrigation spike and insert into the irrigation bag



- From the system setup screen, touch the "initial prime button"
- Irrigation prime will stop once fluid reaches the tip
- A digital setup guide is available during setup by clicking the "?"

# Setup

## Optional hand controller

- Enables remote control of ultrasonic power, suction, irrigation flow rate and flush from the sterile field
- Using the alignment dots, insert hand controller cable into console receptacle
- Aseptically transfer the closed sterile drape into the sterile field; then open drape
- Pass hand controller into the sterile field and place into sterile drape
- Close drape cover



## Setup questions?

Your console provides step-by-step, onscreen visual guides for system setup. Once power is applied, it will walk you through these screens until all required components are properly connected.

Or, to review these directions at any time, touch Settings from the System Setup or Home screens and then touch Handpiece Tip Setup and/or Cassette Tubing Setup.



# Wireless foot control for **flexibility**

The Sonopet iQ wireless foot pedal setup is easy and only takes two AA alkaline batteries with an expected 100 hour run time.

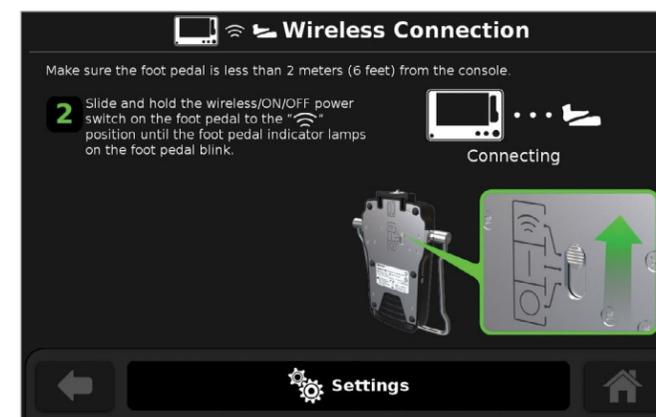


## 1

- Make sure the wireless foot pedal is less than two meters (six feet) from the console during wireless connection
- Plug the wireless receiver into the foot pedal port on the console
- Make sure the wireless foot pedal is On and the foot pedal indicator lamps are illuminated

## 2

- On system settings screen or wireless connection screen, touch the "Wireless" button



## 3

- From the "Wireless Connection" screen, touch the Pair Wireless button

## 4

- Slide and hold the "Wireless/On/Off" power switch on the foot pedal to the "Pair Wireless" position until the indicator lamps on the foot pedal blink
- Release the Wireless/On/Off power switch
- The foot pedal indicator lamps will stop blinking to indicate a successful pairing

## 5

- A green console port indicator confirms a successful connection
- An amber console port ring indicator signifies an error
- Low battery power (10 hours remaining) will also cause an error message
- After a successful connection, the wireless foot pedal can be used up to 4.6m (15 feet) of the console

performance

# A class of **its own**

The Sonopet System is a market leader, and Sonopet iQ delivers even more of what our customers love. We've raised simplicity and reliability to an even higher level for consistently excellent O.R. surgical experiences. We've also added semi-autonomous functionality and unparalleled customization so you can do more with the Sonopet iQ with less time and effort.

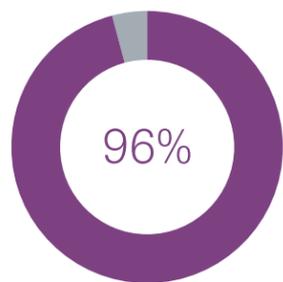
### Trusted resection and power

**367%**  
faster fibrous  
tissue resection<sup>1</sup>

**133%**  
faster bone  
cutting<sup>1</sup>

**75%**  
more precise  
suction control<sup>2</sup>

**48%**  
faster setup time<sup>1</sup>



**setup success rate on first attempt by untrained users<sup>1</sup>**

**"Sonopet iQ is amazing. This changes neurosurgery, and provides confidence when resecting bone from the most critical areas"**

Neurosurgeon  
Current Sonopet user

**"If the equipment is not easy to set up, it won't be used. You guys really figured this out, when can we use this?"**

O.R. Nurse



**of ACGME facilities rely on Sonopet<sup>3</sup>**

**"Sonopet has changed my whole business. And the new system looks even better."**

Neurosurgeon  
Current Sonopet user



## Level setting

This guide summarizes some of the common features, functions, button pushing and menus of the Sonopet iQ Ultrasonic Surgical Aspirator and its system components.

The system is intended to help you:

- During surgical procedures, including neuro, gastrointestinal and affiliated organ, urological, plastic and reconstructive, general, orthopaedic, gynecological and thoracic
- Fragment, emulsify and aspirate (suction) soft tissue, hard/fibrous tissue and bone using a hand piece with a vibrating tip

 Not for use on uterine fibroids. Use only with Stryker-approved components and accessories, and maintain proper field placement of sterile and non-sterile system components. Take special precaution regarding electromagnetic compatibility, such as not putting equipment on top of or next to the console. Standard fire/heat safety tips apply, such as ensuring optimal irrigation flow to in-use hand piece tips if frangible sections have been removed, and not using the system in areas where flammable anesthetics or agents are mixed with air, oxygen or nitrous oxide.

 For a complete list of warnings and cautions, operational details, troubleshooting tips, cleaning protocols and duty cycles, please consult the Stryker Sonopet iQ Instructions for Use (IFU Ref 5500-050-700), and Stryker IFUs for the corresponding torque wrench, hand pieces, hand controller, foot pedals, tips/sleeves, irrigation cassette and other accessories that connect to the Sonopet iQ aspiration system.

**This user guide does not recommend surgical procedure or technique, and is not intended to replace Instructions for Use documents. It is purely provided to summarize commonly used features.**

## Neurosurgical

This document is intended solely for the use of healthcare professionals. A surgeon must always rely on his or her own professional clinical judgment when deciding whether to use a particular product when treating a particular patient. We do not dispense medical advice and recommend that surgeons be trained in the use of any particular product before using it in surgery.

The information presented is intended to demonstrate Stryker's products. A surgeon must always refer to the package insert, product label and/or instructions for use, including the instructions for cleaning and sterilization (if applicable), before using any of Stryker's products. Products may not be available in all markets because product availability is subject to the regulatory and/or medical practices in individual markets. Please contact your representative if you have questions about the availability of Stryker's products in your area.

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