Butterfly™
The New Image of Health

Biomedical Engineering

Guidance Document



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1.0 Managing devices[1]

Listed here is a comprehensive overview of the reports, features, and governance controls that are available today to support Butterfly iQ™/Butterfly iQ+™ fleet management.

1. Cloud access

Users need to log in to the Butterfly mobile application with their hospital credentials to scan. Thus, they will not be able to scan in another organization's cloud without access. So simply having a probe does not give a user access to the Butterfly cloud.

2. Single sign-on

With SSO restrictions, you can prevent users from logging into their Butterfly account outside of the hospital. The integration validates usernames and passwords against a corporate user database using SAML 2.0 protocol.

3. Mobile device management

With Butterfly's MDM restrictions, you can prevent users from logging into their Butterfly account on a non-hospital managed device. With MDM restrictions, you can also enforce an auto session time-out of the Butterfly application.

4. Wandering probe report

On a quarterly basis or as a security measure you may request a 'Wandering iQ' report from your Client Success Manager. This report identifies any privately owned Butterfly iQ devices that have scanned in your domain. Please note, a complete list of approved serial numbers is required to build this report.

5. Probe deactivation

If you discover that a probe is not accounted for, you have the ability to disable the device remotely from Butterfly Cloud. This action results in the probe being deactivated and it will alert the next user that the device has been reported lost when it connects to the Butterfly mobile app. The probe can be reactivated by contacting support@ butterflynetwork.com and verifying ownership.

6. Compatible smart devices recommendation

Butterfly Network recommends utilizing smart devices that are compatible and enabled with Apple's "**Find my iPhone**" and other enterprise-grade MDM device tracking options

7. Deployment models recommendation

Butterfly has different recommended deployment models that can help cut down on probe "wandering". Some organizations utilize a 1:1 ratio so that each clinician has their own device to ensure an accountable owner of the probe. Others deploy a locking/charging cart with QR codes for a secure "**check-in and check-out**" workflow.

[1]For additional information please contact support@butterflynetwork.com

2.0 Associated disposables

Approved gels

As with all ultrasound devices, transmission gel is required for efficient transmission of acoustic energy between the patient and the probe. Please make sure that your organization is using approved gels or liquids, listed here.

Compatible cleaning & disinfection products

Butterfly Network has identified the following products as compatible with the Butterfly probes and cable: click here.

Butterfly has not validated their biological effectiveness. For the biological effectiveness of a product, always follow the instructions, guidelines, and recommendations of the product manufacturer, the U.S. Food and Drug Administration, the U.S. Centers for Disease Control, as well as your regional regulations. The Butterfly probe must be cleaned and disinfected after each use, as described in the "Maintenance" section of the Butterfly User Manual.

It may also be necessary to disinfect your mobile device after use. For details, refer to your mobile device manufacturer's policy and website for support.

Probe sheaths

The Butterfly clinical community have found success using the below third-party solutions. Please note that Butterfly Network does not guarantee the availability of these accessories or compatibility with your mobile devices. Please validate compatibility before purchasing.

CIVCO has created a unique landing page for sheaths that will work with the Butterfly probes. You may also use standard sheaths available from ProTek, Medline, Sheathes and other retailers.

3.0 Hardware basics

The probe

Battery indicator

4 light bars illuminated indicate a fully charged battery.

Battery indicator button

The battery indicator button is programmed to be a capture button and can be used to reset the probe. When the probe is not in use, you can also use this button to see battery life.

Serial number

Probe serial number will be found here.





Probe orientation marker

Corresponds to the orientation marker on the scan screen.

Centerline

Midline marker on each side of the probe face.

Charging surface

This should be touching the charging pad when charging.

The charger

The probe should be placed on the charger with the flat side that says “iQ” touching the charging pad. The LED strip on the will illuminate **Blue** when charging, **Green** when fully charged and **red** if not correctly connected.



Place the flat side of the iQ+ on the charging pad.



Flashing blue means it is connected correctly and charging.



Make sure the wireless charging pad is plugged into an outlet.

4.0 Service requirements

Butterfly does not require an annual preventive maintenance (PM) for Butterfly iQ/iQ+. We do however recommend users evaluate the health of their probe. To do so, please follow these steps:

- Ensure your probe is fully charged.
- Make sure that you have the most recent version of the Butterfly application.
- Plug in your probe to your mobile device and update its firmware if necessary.
- Perform a Probe Diagnostic Test.

No other maintenance is required. For further information, please contact Butterfly Support at support@butterflynetwork.com.