



Agilik Connect User Manual

Document Number: D0614-02

(to be used along with D0476-XX Agilik Instructions for Use)

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1 Foreword

- This user manual refers to operating the Agilik Connect app v1.3.x.
- This Agilik Connect User Manual is to be used along with D0476-XX Agilik IFU.
- Bionic Power Inc. reserves the right to make changes to these instructions at any time.

See the release notes for changes to the firmware.

- ▶ Please read this document carefully before using the product and observe the Safety Notices.
- ▶ Obtain instruction from qualified personnel for the safe use of the product. Please contact the qualified personnel if any questions or problems arise.
- ▶ Report each serious incident in connection with the product, in particular a worsening of the state of health, to the manufacturer and to the relevant authority in your country. Please keep this document for reference.

1.1 Safety Notice

NOTICE**Safety Instructions**

It is mandatory to read the safety notices in the accompanying Instructions for Use document provided with your Agilik.

- Instructions For Use under Section 'Safety'

2 Product Description

The Agilik Connect app is an accessory to the Agilik smart orthosis. The app enables pre-configured modes for users of the Agilik orthosis in their daily environment that are configured by their clinician. Features include connecting to the Agilik device through Bluetooth, initial setting of the knee extension, enabling/disabling device torque, switching between pre-arranged configurations, capturing session data and communicating to clinicians.

3 System Requirements

- iPhone: iOS 15.5 or higher


- Android phone: Android 10 or higher
- BLE connectivity

4 Installing the App

The Agilik Connect app can be found on the App Store for iOS devices or the Google Play Store for Android devices. Once installed the app can be used to connect to Agilik devices.


5 Connecting to an Agilik Device

To establish an initial connection between the Agilik Connect app and the Agilik orthosis device:


1. Open the Agilik Connect app by tapping the app icon  on your phone.
2. Verify Bluetooth is enabled on the mobile device.
3. Verify that the Agilik device is turned on, with Bluetooth on (User LED is on, and Bluetooth LED is flashing blue).
4. Pull down on the home screen to **scan** for available devices.
 - 4.1. Accept permissions to allow Bluetooth usage in the app. On older versions of Android go to Settings > Apps > Agilik > Permissions and allow location and/or Bluetooth while using the app.
 - 4.2. Agilik devices that are in proximity and powered on will be listed on the Scan page. The device names contain the serial number and whether it is a right leg or left leg device (L for left, R for right).
5. Select the desired devices. To find an Agilik device's serial number, *see the decal on the back of the device below the power cable. Up to 2 devices can be selected.*
6. Press "Connect".
 - 6.1. Enter the Pairing Code on the pop-up screen that appears, once for each device. The Pairing Code can be found in the Instructions for Use (IFU). Your clinician will also have



the Pairing Code in their copy of the IFU if you no longer have one. This only needs to be done once per device, unless a user actively unpairs the device in the mobile device's Bluetooth settings.

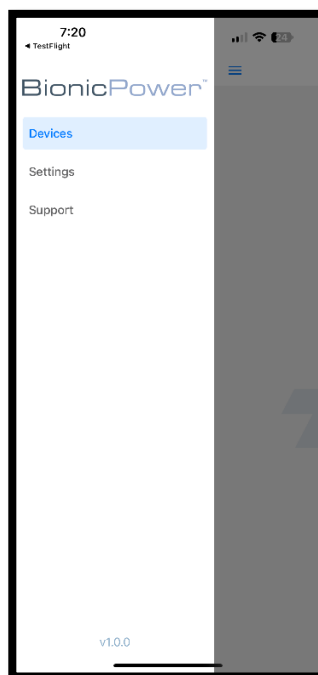
7. Once connected, the main screen will transition to the Session page.
 - 7.1. When a device is connected, the Bluetooth  icon will appear next to the device name on the Scan page.

6 Navigation Menu

The navigation menu  can be found on the top left-hand corner of the home screen of the Agilik Connect app. Upon selection, the navigation menu will list the following items: Devices, Settings and Support.

6.1 Devices

Refer to section 5 [Connecting to an Agilik Device](#) regarding the Devices section of the app.



6.2 Settings

There are two buttons under Settings, for adding Configurations and enabling Demo Mode. To add configurations from your clinician, see section 7.2 [Loading](#).

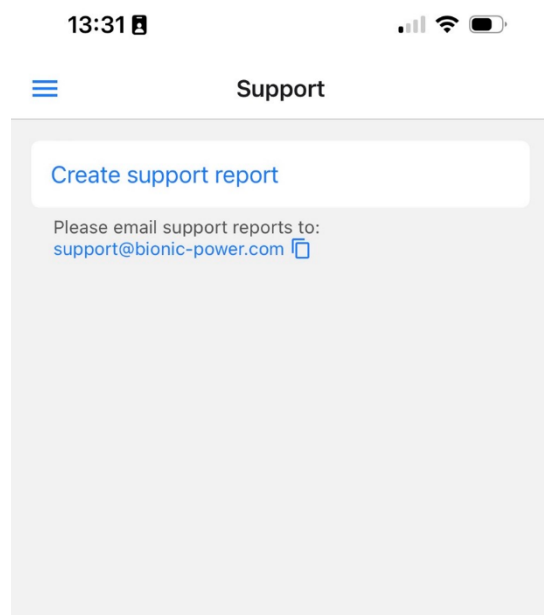
Demo Mode can be enabled to practice with the Connect app. Click “Enable Demo Mode” to use the app without connecting to an Agilik. This is useful when being trained by the clinician to use the app. Click “Disable Demo Mode” to go back to the normal mode and connect to Agilik devices.

6.3 Support

A support report should be sent when recurring issues happen connecting to Agilik devices or using any part of the app.

To generate and share a support report:

- Copy the support email address by tapping it.
- Press “Create support report.”
- After the support report is created, a prompt will appear to share or save the report.
- Email the file to the provided email address. Provide any additional relevant information in the body of the email.



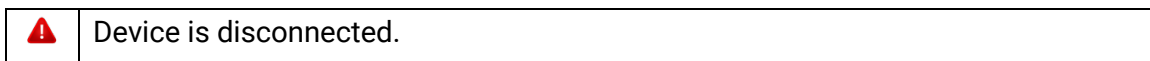
A support staff member will receive the email and respond as soon as possible.





7 Using the Agilik

7.1 Session Page

Once the selected devices are connected, the Session page opens. This page reports the status of the connected Agilik device(s).

1. The top half of the screen shows the state of the connected device(s). The status is shown by round colored buttons that emulate/mirror the LED color on the hardware device. The LED colors represent:




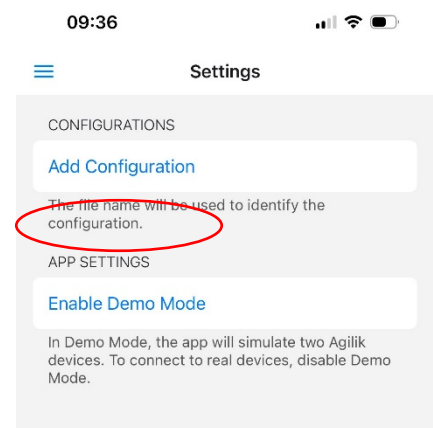
	(Flashing) Device is powered on and full knee extension needs to be set.
	Full knee extension is set; torque is disabled.
	Torque is enabled.
	Fault state: please read error on screen and follow instructions indicated.

- The bottom half of the screen has two task buttons, i.e. Start Recording session and Enable Torque, and various Activity Mode buttons (Stand, Descend Stairs, etc.).
- Faults:** If there are any active or resolving faults on the device, they will be shown along with a suggested fix.

7.2 Loading Configurations

The Clinician will provide configuration files for at-home use. The configurations control how the Agilik reacts to the user, and some people will benefit from having multiple configurations such as an exercise mode (with more resistance in certain phases of gait) and a purely assistive mode. These configuration files are created by the clinician during a session in the clinic and can be loaded on the mobile device. The configuration files will be sent by the clinician to the user and they must first be loaded onto a phone with the Agilik Connect app, then chosen in Set Up.

- Enter the Settings page.
- Press “Add Configuration”. A file picker dialog will appear.
- Select a configuration file provided by your clinician.
- Only one can be chosen at a time, but you can repeat the process and pick two total configuration files.
- To remove an existing configuration, swipe left on it, or long press to reveal a “Remove” button. Press the button to remove the configuration.
- Added configurations will be shown on the Session page. To return to the Session page, press the navigation menu  then press “Devices”.
- Press “View” on the top right.



8. On the Session page, press the “Set Up” button at the top right of the page.
9. Press the desired configuration. Press OK to confirm.
10. The configuration will be loaded onto the connected devices, and the configuration will appear as active.
11. Press Done to go back to the Session page.

7.3 Setting the Full Knee Extension

IMPORTANT: Each time the Agilik is powered off and back on it needs to have the extension limit recorded.

The Full Knee Extension can be set via the Device Setup page or the push button on the actuator(s).

1. It is recommended that the user sits down and has someone hold their leg(s) out straight ahead of them.
2. When the user’s legs are as straight as is comfortable but not hyperextended, you can set the extension limit one of two ways.
 - Option 1 – Press and hold the actuator push button until the user LED turns solid orange then release the button.
 - Option 2 – On the Session page, press Set Up on the top right corner of the page. Then press “Set Full Knee Extension.”

The user LED will stay solid orange if this was successful.

7.4 Recording Session

A clinician may ask to record session data for review. To record data:

1. On the Session page, press “Start Recording” to begin a recording.
 - On Android, a warning will appear to inform the user that the app should be kept in the foreground if the screen is turned off. This will ensure the app continues recording.
 - The active gait phase or activity (i.e. standing) will be shown when recording.

2. Press “Stop Recording” to stop the recording. A prompt will appear that allows sharing or saving the recording file.

7.5 Enabling Torque

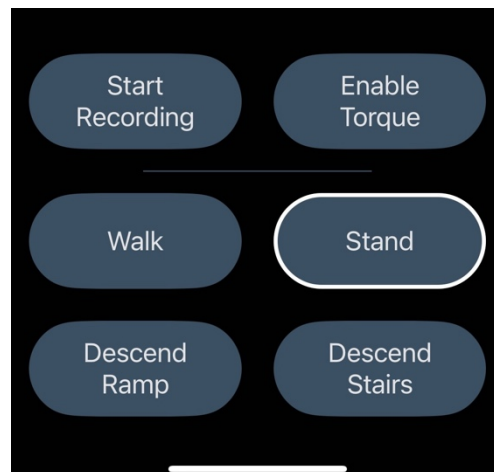
Once full knee extension is set, the torque can be enabled.

- Press the “Enable Torque” button to enable torque.
 - A warning will appear if there is no prescription added in the app that matches the configuration of the connected devices. Please ensure a configuration is always active on the device.
- 3. Press the ‘Disable Torque’ button to disable torque.

Enabling and disabling torque can also be done through a button press on the Agilik device after the knee extension has been set. The LED showing green indicates torque is on.

7.6 Activity Modes

Agilik devices with v2.0.0 firmware or higher support switching between various activities of daily life (walking, standing, descending stairs and ramps, etc.).



The active mode will be highlighted on the Session page. In the photo above, Stand is selected.

If connected to devices running v2.0.0 firmware or newer, the app gives the option to switch between various activities of daily living (ADL): walking, standing, descending ramps, and descending stairs.

Walking (gait) is the baseline activity in which the Agilik aids its user but there are now additional modes for descending ramps and stairs and for standing. The Agilik autodetects changes between walking and standing. Transitioning to ramp descent or stair descent requires manual selection in the desktop or mobile app.

Standing assistance is provided to reduce knee buckling while standing. If a user is walking and stops, after a period of time the Agilik will enter standing mode. The timing is set within the tuning parameters by your clinician. If you press “Stand” while walking, it will only switch modes when both feet are next on the ground. When you want to start walking again, you can simply start walking and the device will automatically switch to Walk mode.

Ramp descent mode provides support in walking down ramps of up to 10% grade. Ramp mode can be transitioned to when in either walking or standing mode, by pressing the “Descend Ramp” button. From Descend Ramp mode, you can transition to Walk or Stand modes.

Stair descent mode provides support when walking down stairs. Transitioning into stair descent mode is only permitted when in standing mode and via the button in the App. When you are at the bottom of the stairs, you must transition back to Stand mode with both feet on the ground, by pressing the “Stand” button. You can then walk and the Agilik will automatically switch to walking mode.

Note: The device will only transition to standing mode when the foot (or feet) with an Agilik is (are) on the ground.

8 Troubleshooting

8.1 Bluetooth Turns Off

The Bluetooth has been turned off on a particular device if it does not have a blue LED lit up or flashing while powered on. To turn the Bluetooth back on, hold down the button on the Agilik. Release the button once the blue LED turns on. The blue LED should now be flashing, and Bluetooth has been turned back on. Scan again in the app and the device should be seen in the scan list. The blue LED will be solid blue when the device is connected via Bluetooth to a computer or phone.

8.2 App Will Not Connect to Agilik Device

If there is an issue with connecting to an Agilik device, the device may need to be forgotten in the phone's Bluetooth device list. Follow the instructions from your phone's manufacturer to do so. Once it is forgotten, the pairing code (**667669**) will be required to reconnect to the device.