

Setup Guide

Plié[®] 2.0
MPC KNEE

1. Establish Wireless Connection

To optimize the microprocessor, communication must first be established between the programming computer and the user's Plié[®] 2.0 MPC Knee:

- Open the Plié Control software (Start>All Programs>Plié>Plié Control).
- Insert the provided USB wireless adapter in any available USB port.
- Remove and re-insert the battery in the knee. Battery insertion activates the knee wireless module for five minutes.
- Select the **Search** icon.
- After the knee is found, select the **Connect** icon to establish a wireless connection. If the **Connect** icon changes to a **Disconnect** icon, the wireless connection is verified.

2. Plié 2.0 Setup Wizard

Open the Plié 2.0 Setup Wizard (Plié Control>Setting Wizard). The **Welcome** window will appear.

- If you are programming a knee for the first time, select **Next**.
- In the **Setup and Calibration** window, select **Setup Mode**.
- As the user unweights the prosthesis, select the **Calibrate** icon to calibrate the load sensor. Instruct the user to ambulate or weight the prosthesis in a fully extended position to calibrate the angle sensor. Select **OK** when finished.
- Instruct the user to ambulate. If the knee does not release into swing, lower the **Toe Threshold** setting in the Plié Control window until the knee releases.
- Select **Next** to continue.

3. Adjust Manual Hydraulic Settings

Adjust the default manual hydraulic settings in the following order to ensure the knee motion is smooth and symmetrical for the user. Higher numerical values provide increased resistance for each hydraulic resistance setting.

- Using the air pump, adjust *swing flexion resistance* (heel rise).
- Adjust *swing extension resistance* with a 4 mm allen key (terminal impact).
- Adjust *stance flexion resistance* with a 4 mm allen key (stair/ramp descent resistance). Optimize performance for stair/ramp descent.
- After completing the manual hydraulic settings, select **Next** in the Manuel Adjustment window to continue.



4. Optimize Microprocessor Settings

For the remainder of the knee set-up, proceed with the Plié 2.0 Setup Wizard (Plié Control>Setting Wizard).

A. Determine Threshold and Trigger Settings

1. Instruct the user to ambulate with variable cadences, including fastest and slowest walking speeds until 20 steps are shown in the **Steps** box.
2. The Plié 2.0 Setup Wizard will select optimal T1 & t2 values and transfer them to the knee. The suggested values in the *Set T1 and T2* window should have minimal variance with the Toe Threshold and Swing Transition values in the *Plié 2.0 Control* window.
3. Select the **Next** icon to proceed to the main *Record Normal Walk* window.

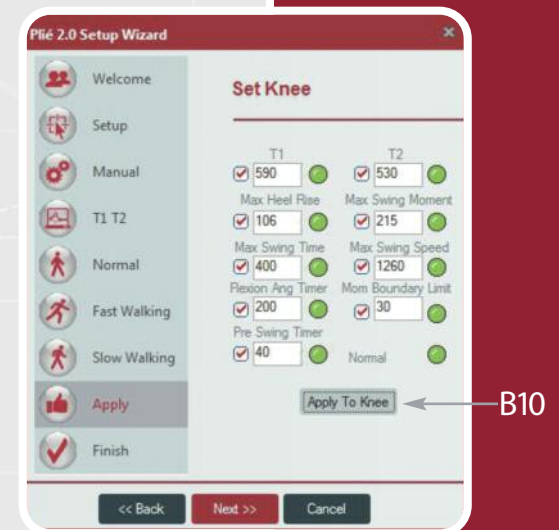
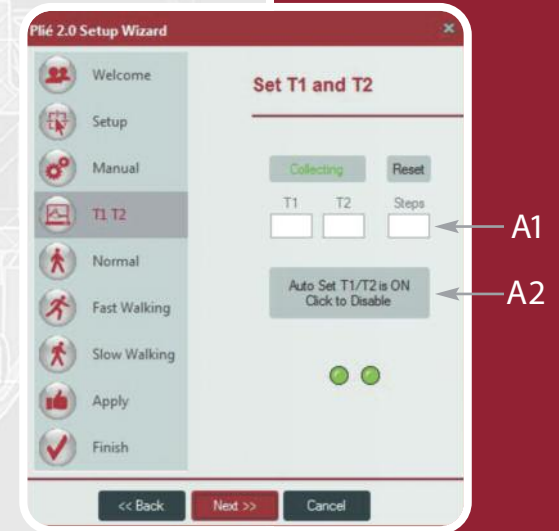
B. Optimize Stumble Recovery Parameters

1. In the *Record Normal Walk* window, select the **Start Recording** icon. Instruct the user to take twenty steps at his/her normal walking speed. Once complete, select the **Stop Recording** icon.
2. Select the **Save Data** icon. The normal walk recorded data file will be transferred wirelessly to the computer.
3. Select the **Next** icon to proceed to the main *Record Fast Walk* window.
4. In the *Record Fast Walk* window, select the **Start Recording** icon. Instruct the user to take twenty steps at his/her fastest walking speed. Once complete, select the **Stop Recording** icon.
5. Select the **Save Data** icon. The fast walk recorded data file will be transferred wirelessly to the computer.
6. Select the **Next** icon to proceed to the main *Record Slow Walk* window.
7. In the *Record Slow Walk* window, select the **Start Recording** icon. Instruct the user to take twenty steps at his/her slowest walking speed. Once complete, select the **Stop Recording** icon.
8. Select the **Save Data** icon. The slow walk recorded data file will be transferred wirelessly to the computer.
9. Select the **Next** icon to proceed to the *Set Knee* window.
10. In the *Set Knee* window, select the **Apply to Knee** icon. The Plié 2.0 Setup Wizard will transfer the optimal Stumble Recovery (Levels I & II) parameters to the knee.

5. Document

After completing the knee setup, provide documentation in the user's records.

- a. Record the knee *Serial Number* in the user's chart. To maintain user confidentiality, the *Serial Number* is referenced when technical support, warranty repairs, or warranty service is required.
- b. Record the three manual hydraulic settings in the user's chart: swing flexion, swing extension, stance flexion.
- c. Save the user's computer settings on a secure computer. To save, select "Save Settings" from the "File" menu (Plié Control>File>Save Settings).



For more information, consult the Instructions for Use Manual or call 888.818.6777.

30 Fairbanks, Suite 114, Irvine CA 92618 toll-free 888.818.6777 tel 949.672.0032 www.freedom-innovations.com

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