

Using the Remote

Each C-Leg® comes with a remote that you can use to unlock further functions of the knee. These functions are:

- Switching between First and Second Mode
- Enable and disable Standing Mode
- Change the knee's resistance for different activities.

When using the remote, hold it at least one foot (30 cm) from the C-Leg. The maximum range for the remote is three feet (91 cm) from the C-Leg. Before using the remote, verify that the C-Leg is awake and charged.

Communication between the C-Leg and the remote must be established before any of the functions can be activated.

Communication is established by holding down the '3' key until the C-Leg vibrates. The '3' button should then be released and the other keys pressed as mentioned below. Pressing the other keys needs to happen within a few seconds of releasing the '3' button or communication will time out.



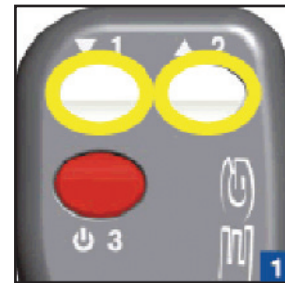
Switching between First and Second Mode



After communication has been established, hold down the '2' button until the C-Leg beeps twice to signal that the knee is in Second Mode. To change back to First Mode, communication must be established by holding down the '3' button and then the '1' button is held down until the knee beeps once to signify that the knee is in First Mode.

Enable and disable Standing Mode

Standing Mode allows the C-Leg user to lock the knee against flexion at an angle between 7 and 70 degrees of knee flexion.



Standing Mode must be enabled using the remote before the user can utilize this feature. Once Standing Mode has been enabled, it will stay enabled until it is disabled via the remote. After establishing communication with the C-Leg by holding down the '3' button, Standing Mode is enabled by holding down the '1' and '2' buttons until the C-Leg beeps three times and is disabled by holding down the '1' and '2' buttons until the C-Leg beeps one time. In addition, the knee must be in full flexion in order to enable or disable Standing Mode.

Once Standing Mode has been enabled through the remote, the C-Leg user will activate this function in the following manner:

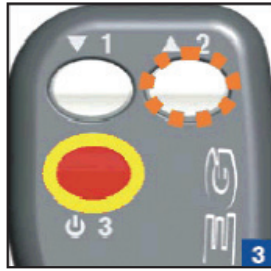
Flex and hold the knee for one second. The knee must be flexed between 7 and 70 degrees and it is best to flex the knee just past the desired 'locked' angle. After holding the knee for 1 second, slightly extend the knee to the desired angle of knee flexion and hold the knee for .8 seconds. The C-Leg will vibrate and the flexion valve will close to block flexion of the knee.

To de-activate Standing Mode, the C-Leg user can either extend the knee quickly or extend the knee within seven degrees of full extension.

This deactivation will allow first mode functioning for normal walking and everyday activities. Standing Mode can easily be reactivated whenever the user chooses by following the activation steps listed above. In other words, Standing Mode is always ready for activation until it is disabled using the remote.

It is important to recognize that Standing Mode is always ready and the amputee should completely disable standing mode as directed earlier to prevent undesirable knee flexion stops during sitting activities such as driving. It can be dangerous to inadvertently limit flexion ROM for this type of activity. It is recommended that standing mode be disabled prior to driving.

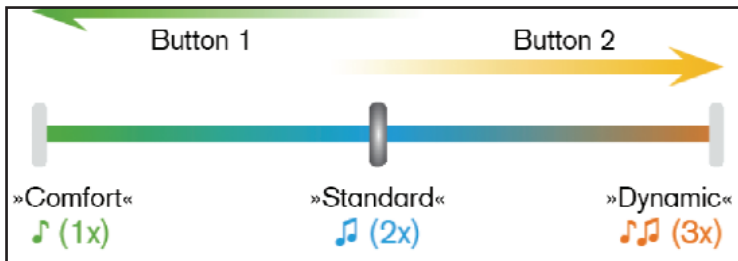
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Change swing phase dynamics

The final remote function is the ability to change the swing phase dynamics. The remote allows the C-Leg user to make changes to the swing flexion resistances set by the prosthetist. There are three possible settings that the remote can toggle through:

- Standard – This is the swing flexion settings programmed by the prosthetist.
- Comfort – This lowers the dynamic factor by one and increases the knee angle threshold by five from the Standard setting.
- Dynamic – This increases the dynamic factor by one and lowers the knee angle threshold by five from the standard setting.



The C-Leg user can toggle between these three settings using the remote. After activating communication with the C-Leg, holding down a combination of the '1' and '3' buttons will go to a lower swing phase adjustment and holding down a combination of the '2' and '3' buttons will go to a higher swing phase adjustment. The following beeps will sound when the changes have been made:

- Comfort – one beep
- Standard – two beeps
- Dynamic – three beeps