Section 1 - Methods of Operation / Connecting to Motor

The Motor Limit Tool (MLT) can be used in two ways:

1. Directly connected to a single motor
2. Connected into a network

*Please Note:* Some sections only apply to a network connection as indicated.

Section 2 - Network Connection

Section 2.1 - Network Summary

When Motor Limit Tool is connected into a network, it automatically scans the network and show a summary of devices found. If the number of each device type is correct, then the network is ready to be configured. If some devices are missing, troubleshoot the network to resolve the issues before continuing.

Section 2.2 - Motor Selection

1. Select motor to configure by **TAPPING SELECT BUTTON.**
2. One motor on the network will begin to identify. Use **PREV STOP** and **NEXT STOP BUTTONS** to select a different motor. Once motor to configure is identifying, **PRESS SELECT BUTTON** to begin configuration.
3. To select a different motor on the network, **PRESS SELECT BUTTON AGAIN.**
4. Repeat this procedure until correct motor is selected.
Section 3 - Motor Limits

Section 3.1 - Setting Motor Limits

*In order for motor to be operational, an upper and lower limit must be set. These limits are the most open and most closed positions for the shade.*

Before motor is configured it will indicate that no limits have been set, however if an upper and/or lower limit have been set, see Section 3.2 - Adjusting and Clearing Motor Limits to see how to clear the limits so they can be adjusted.

To set upper motor limit:
1. Move shade to the most open position and **HOLD UPPER LIMIT BUTTON FOR 2 SECONDS**.

To set lower motor limit:
1. Move shade to the most closed position, and **HOLD LOWER LIMIT BUTTON FOR 2 SECONDS**.

Section 3.2 - Adjusting and Clearing Motor Limits

*Once a motor limit has been set, it can be adjusted.*

To adjust lower motor limit:
1. Move shade to the new position, and **HOLD LIMIT BUTTON FOR 2 SECONDS**.

To adjust upper motor limit:
1. Move shade to the new position, and **HOLD LIMIT BUTTON FOR 2 SECONDS**.

*If desired position is beyond the currently set limit, it will have to be cleared before shade will move to that point.*

To clear motor UPPER or LOWER limit:
1. **HOLD LIMIT BUTTON FOR 7 SECONDS.**
Section 4 - Operating Motor

1. To operate motor, **HOLD OPEN OR CLOSE BUTTON**. Motor will move for as long as the button is held.

**Please Note:** If motor is moving in the opposite direction from the button being pressed, **HOLD REVERSE BUTTON for 2 SECONDS** to reverse motor operation.

Section 4.1 - Adding and Removing Preset Stops

Once motor limits have been set, preset stops can be added. These stops are the points between the upper and lower limits where shades will normally be deployed when used.

**To add a preset stop:**
1. Move shade to desired position, and **PRESS ADD STOP BUTTON for 2 SECONDS**. The current position of shade is shown as a percentage closed. Once preset stops have been set, shade can be moved between stops by using the **PREV STOP** and **NEXT STOP BUTTONS**.

**To remove a preset stop:**
1. Use **REV/NEXT STOP BUTTONS** to position shade at the stop to remove.
2. **HOLD REMOVE STOP BUTTON FOR 2 SECONDS**.

**To remove all preset stops:**
1. **HOLD REMOVE STOP BUTTON FOR 7 SECONDS**.

Section 4.2 - Alternative Method

You can quickly set a number of equally spaced stops for shade without having to move it to each position. This is done as follows:

1. Move shade to either the fully open or fully closed position.

2. **To increase the number of preset stops by 1:** **HOLD ADD STOP BUTTON FOR 2 SECONDS.**
   **To decrease the number of preset stops by 1:** **HOLD REMOVE STOP BUTTON FOR 2 SECONDS.**
   A message will indicate the new number of stops.

3. Repeat until the desired number of stops have been set.
Section 5 - Copying & Pasting Shade Settings

Once a shade has been configured, the limit and preset stop settings can be copied to a different shade.

To copy and store the shade settings on the Motor Limit Tool:
1. HOLD COPY BUTTON FOR 2 SECONDS

Please Note: The Motor Limit Tool is then connected directly to the motor to copy the settings to, or in the case of a network connection, the shade to be copied to is selected using the procedure described in Section 2.2 - Network connections - Motor Selection.

To Paste Shade Setting:
1. The shade to be configured should first be moved to the fully open position, then HOLD PASTE BUTTON for 2 SECONDS.

To Paste to All Shades in Network (Network Connection Only):
1. HOLD PASTE BUTTON FOR 7 SECONDS.

Section 6 - Factory Reset

The factory reset button located on the back of Motor Limit Tool is used to clear all settings on a motor, or in the case of a network connection, all settings on every device in the network.

To Perform a Factory Reset:
1. HOLD RESET BUTTON FOR 10 SECONDS