



## DBMZ Version 1+1 Quick Setup

The DBMZ motor controller is compatible with other Z-wave™ enabled devices. After connecting the unit according to the *DBMZ V1+1 Specifications & Installation Instructions*, the DBMZ controller will operate manually using the OPEN and CLOSE buttons on the side of the case. After confirming manual operation, please note the following:

- Mechanical motor limits must be set before performing the calibration sequences below.
- If the Motor LED is red, the unit requires calibration in order to operate correctly.
- Verify OPEN button opens shade and CLOSE button closes shade. If directions are swapped, see "Reverse Direction" below.

### Calibration Procedure

1. Simultaneously press and hold both OPEN and CLOSE for at least 10 seconds until Motor LED turns solid green.
2. Release both OPEN and CLOSE.
3. Within 10 seconds press and release CLOSE to start the calibration sequence. (Press and release OPEN instead to place DBMZ orientation into the "Reverse Direction" and start the calibration sequence.)

The calibration sequence will run the motor from one limit to the other and end with the shade closed, motor off, and Motor LED off.

Unit is ready for use.

**Note:** DC motors with brushes produce significant interference due to noise from arcing at the brushes. This reduces the effective range for RF controllers.

### Z-Wave Network Include/Exclude

To utilize the DBMZ in a Z-Wave network requires the "Include" process. For INCLUDE, place the primary controller into the INCLUDE mode and do a quick press of the LEARN button on the side of the DBMZ unit (Z-Wave STATUS LED will flash green). For "Exclusion", place the primary controller into the EXCLUDE mode and do a quick press of the LEARN button (Z-Wave STATUS LED will flash green). **Warning: Always EXCLUDE the DBMZ motor controller before disconnecting it from the Z-Wave network.**

---

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by Electronic Solutions, Inc. could void the user's authority to operate the equipment.