PowerView® reference guide

Installing a hub

6.1 **Connect the Hub to your home network router**

6.2 **Connect the Hub to your power outlet**

6.3 **Check the range of the Hub**

Your Hub should be able to reach each shade in the house.

Use your remote from the same location as your Hub to operate your shades. If some shades do not respond, add or relocate a repeater and check again.

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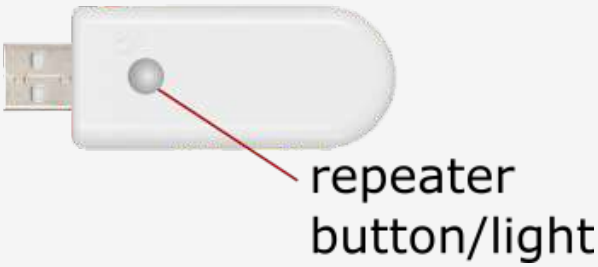
6.4 **Wait approximately 2 minutes and observe the Hub light.**

- **Blue/Red blinking** : All ok. Proceed with the installation.
- **Red blinking** : Hub is downloading updates. Please wait. (approx. 5 mins.)
- **Continuous blue** : Hub is already connected to a network. If you have previously setup your hub you can continue. If not you can clear the data on the hub. Goto Erase hub data in the Additional actions chapter.

Resetting a repeater

Locate the following button on your repeater:



1. Press the `repeater button` for approx **6 seconds** until the green light starts to light up. Your repeater is now reset.

Add a repeater using the Remote

Installation of a repeater is necessary when your shade isn't responding to a command from your remote control.

IMPORTANT: Put the repeater at a strategic location. Preferably halfway between the unresponsive shade and the remote control location. Look here] for more info.

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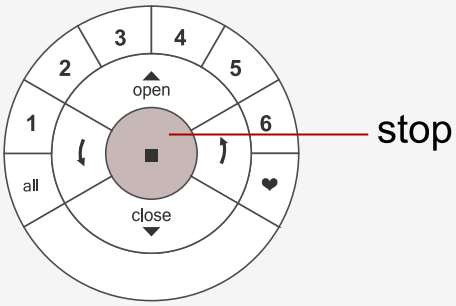
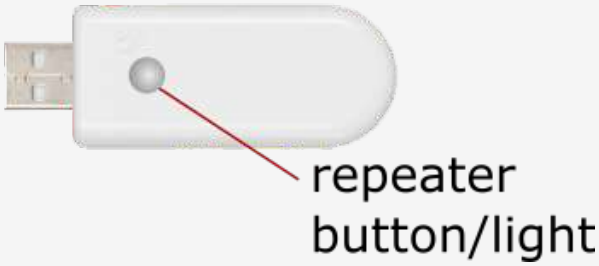
This instruction will make use of the following buttons on the Remote:



Find the following button/light on the repeater.



5.1 **Assemble the repeater kit and plug it in an outlet**

(The `repeater light` illuminates green)

5.2 **Press ■ `stop` for 6 seconds.**

(Keep pressing until the remote lights start blinking.)

5.3 **Hold the remote within 20cm. from the repeater.**

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5.4 **Press** ■ `stop` .

(The `repeater light` will turn off. The repeater is now part of your personal PowerView® Network.)

Add a repeater using the App

1. Make sure your repeater is reset

2. Open the app. Select blinds and `discover shades` .

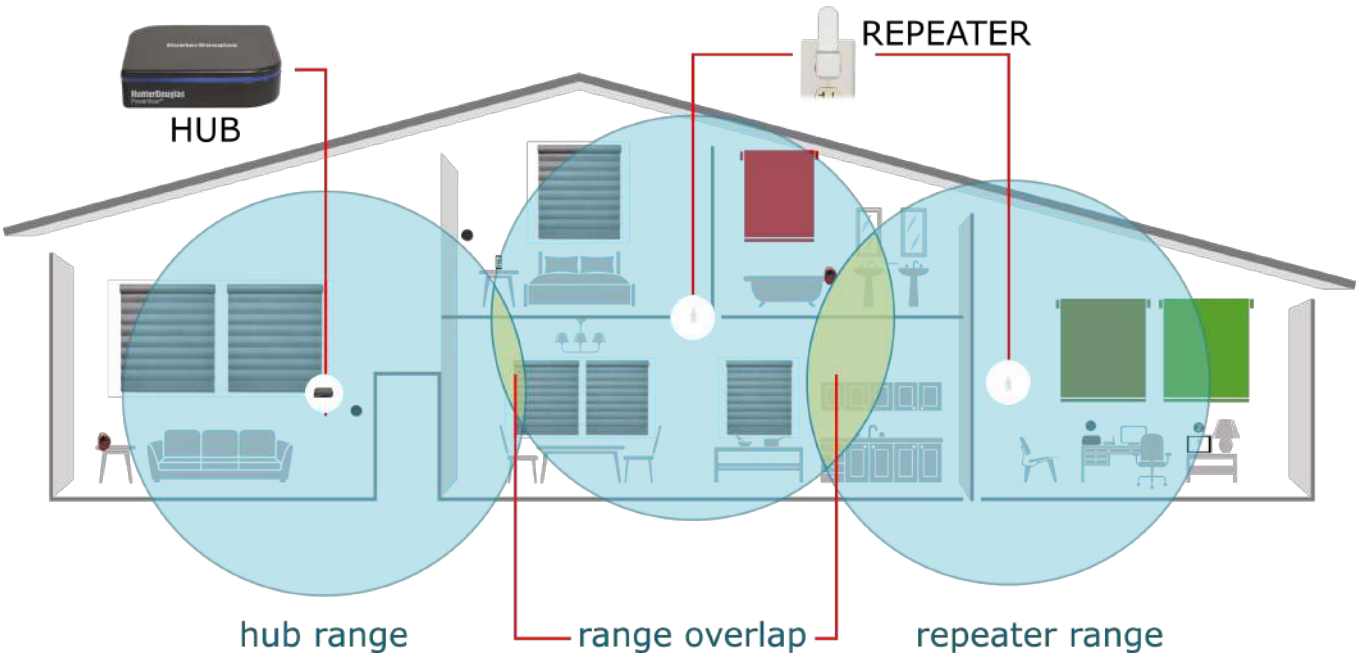
3. The repeater light should start blinking and finally end with the led switched off.

Repeater location

The range of any indoor wireless device is always difficult to determine. Factors like used building materials and presence of other wireless devices can have a big (negative) impact on wireless range. To improve the range of the PowerView® network repeaters can be used.

> A repeater picks up any incoming wireless **PowerView®** signal and transmits it again at full power increasing the range of the signal being sent.

In practice finding the ideal location of a repeater is a bit of trial and error. But the below rules of thumb can be a good help:



- Preferably don't use more than 6 repeaters.

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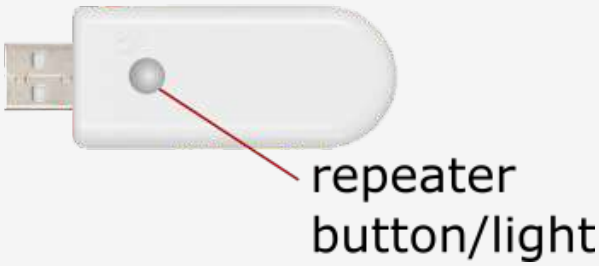
- Ideally locate your repeater halfway between your hub/remote and the blind.
- The repeater should be in range of both hub/remote and blind. If required place a second repeater. Look here to check whether a repeater is part of the PowerView® network and picking up a signal.
- There should be just enough overlap (see yellow parts in the image) in range between hub/remote and repeater:
- Too much overlap will make the signals of hub, remote and repeater interfere and range extension is not optimal.
- Too little or no overlap means the signal is not being received by the repeater.

> In the image above the red blind is receiving a hub signal being repeated by the first repeater. The green blind is receiving a hub signal being repeated by the second repeater, which was being repeated by the first repeater.

Check whether a repeater is part of the PowerView® network

Locate the following button on your repeater:



1. Make sure you have a working remote.

2. Control a blind by selecting a group and sending an open or close command.

   See also here

3. The repeater button/light should start blinking.

Pairing and Duplicating a remote

Out of the box each remote creates its own PowerView® network. In most cases however your remotes need to be on the same "network". Pairing remotes will be necessary. Consider the following scenario:

> Out of the box you have *two* remotes. As soon as you add your shade to `remote 1` they belong to the same PowerView® network and you can now control your blind with `remote 1` . As soon as you add your blind to `remote 2` your shade moves to the network of `remote 2` . You can control the shade with `remote 2` , but not anymore with `remote 1` . Pairing remotes first would have solved this issue. Both remotes are part of the same PowerView® network. Both `remote 1` and `remote 2` would have functioned.

Duplicating a remote not only pairs the remotes to the same network, it also copies all group information from your source / old remote to the new remote. A duplicate remote will function exactly in the same way as your source remote.

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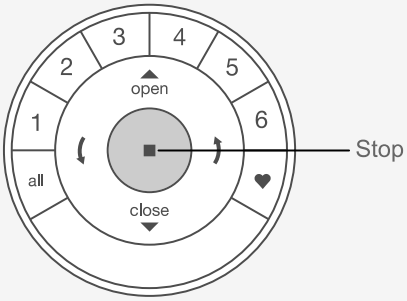
Pairing a remote

Take two remotes. Name them `original`, `target` and follow the instructions below.

Locate the following buttons on your remote:



Procedure

1. `target` **Remove** the back cover.

   (keep the batteries in place)

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2. `target:` **Press** the reset button for **six seconds**.

   (The group buttons will flash on the press of the Reset button, then again at 6 seconds)

3. `target:` **Close** the back cover.

4. `original:` **Press** the ■ `stop` button for **6 seconds**.

   (Keep pressing until the remote lights start blinking)

5. `target:` **Press and hold** the ■ `stop` button.

6. `original:` **Press and release** the ■ `stop` button.

   (As confirmation `target` will flash the group buttons)

7. `target:` **Release** the ■ `stop` button.

8. If `original` is still flashing **Press and hold** the ■ `stop` button for **6 seconds**.

   (Keep pressing until the flashing stops)

Duplicating a remote

Take two remotes. Name them `original`, `target` and follow the instructions below.

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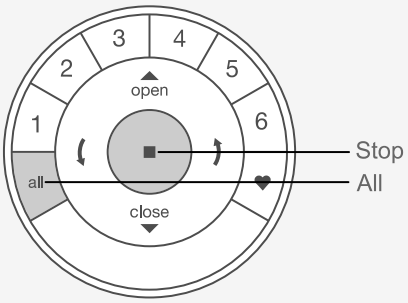
Locate the following buttons on both remotes:



1. `target:` **Remove** the back cover.

   (keep batteries in place)

2. `target:` **Press** the reset button for **6 seconds**.

   (The group buttons will flash on the press of the Reset button, then again at 6 seconds)

3. `target:` **Close** the back cover.

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4. `original:` **Press and hold** the ■ `stop` for 6 seconds.

   (Keep pressing until the remote lights start blinking)

5. `target:` **Press and hold** the `all` button.

6. `original:` **Press and release** the ■ `stop` button.

   (The Group numbers on the target remote will flash 2x)

7. `target:` **Release** the `all` button.

8. If the `original` is still flashing **Press and hold** the ■ `stop` button for **6 seconds**.

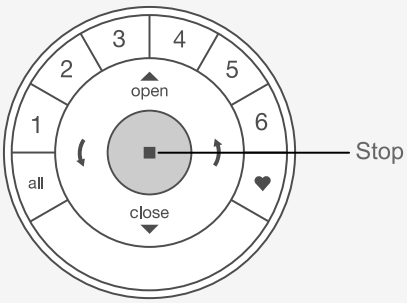
   (Keep pressing until the flashing stops)

Pairing a remote to an existing Hub network

You have created a PowerView® network with shades and a hub and now want to add a remote. Another scenario could be you want to add a newly purchased remote to the network.

Locate the `P` button on the back of the hub:

Locate the the ■ `stop` button on the remote you want to pair.



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1. `Remote 2:` **Remove** the back cover.

   (keep the batteries in place)

2. `Remote 2:` **Press** the reset button for **6 seconds**.

   (The group buttons will flash on the press of the Reset button, then again at 6 seconds)

3. `Remote 2:` **Close** the back cover.

4. **Press and hold** the `P` button.

5. **Press and hold** the ■ `stop` button.

7. **Release** both `P` and `stop` buttons.

   (The group buttons will flash as confirmation.)

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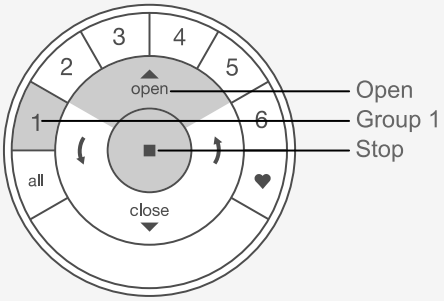
8. If remote is still flashing **Press and hold** the ■ `stop` for **6 seconds**.

   (Keep pressing until the flashing stops)

Adding a shade to a group

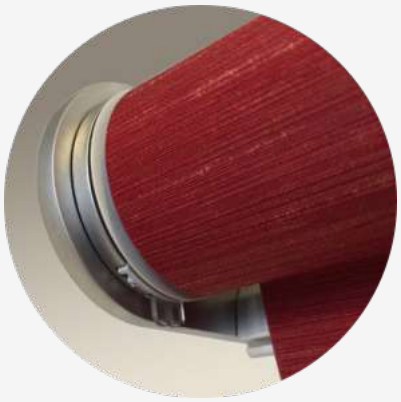
A remote can control 6 individual groups of shades. To control a shade with the remote it needs to be added to one of those groups.

Locate these buttons on your remote:



Duette® shade

Pirouette® shade



Rollerblind

1. **Press and hold** the ■ `stop` button for **6 seconds**.

   (Keep pressing until the remote lights start blinking)

2. **Press** the 1 `group 1` button.

   (This will activate group 1 on the remote)

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3. **Press and hold** the `manual control button`.

4. **Press** the ▲ `open` button.

   (You will see the blind jog 1x)

5. **Release** the `manual control button`.

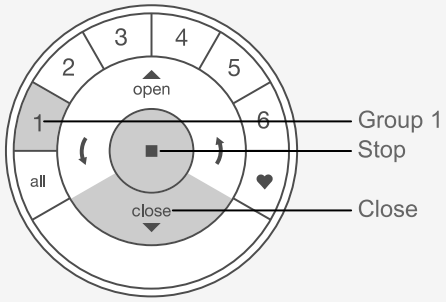
6. If your remote is still flashing **Press and hold** the ■ `stop` button for **6 seconds**.

   (Keep pressing until the flashing stops)

Remove a shade from a group

This will remove a shade from a group on your remote control. It will not remove the shade from the PowerView® network.

Locate these buttons on your remote:



Locate the `manual control button` on your shade. Different shade types have different types of buttons. Below some examples. Consult the shade documentation for the exact location of the `manual control button`.

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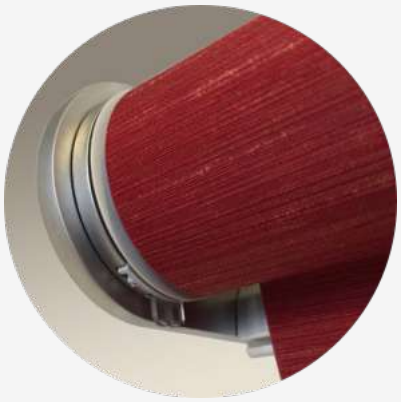
Duette® shade

Pirouette® shade



Rollerblind

1. **Press and hold** the ■ `stop` button for **6 seconds**.

   (Keep pressing until the remote lights start blinking)

2. **Press** the 1 `group 1` button.

   (This will activate group 1 on the remote)

3. **Press and hold** the `manual control button`.

4. **Press** the ▼ `close` button.

   (You will see the blind jog 1x)

5. **Release** the `manual control button`.

6. If your remote is still flashing **Press and hold** the ■ `stop` button for **6 seconds**.

   (Keep pressing until the flashing stops)

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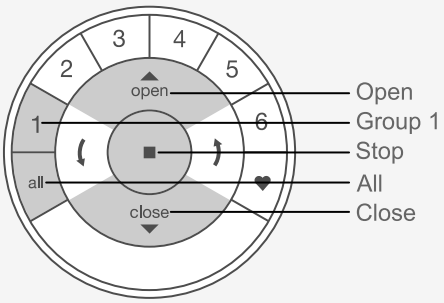
Moving a blind

Locate these buttons on your remote:



▲ `Open` blinds assigned to 1 `group 1` .

1. **Press** the 1 `group 1` button.

   (Group 1 will light up)

2. **Press** the ▲ `open` button.

   (All shades assigned to group 1 will open)

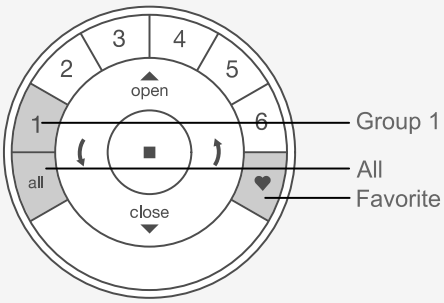
3. **Press** the ■ `stop` button.

   (All shades assigned to group 1 will stop)

Pressing the `all` instead of 1 `group 1` button will move all blinds from all 6 groups on the remote.

Moving a blind to a favorite position

Locate these buttons on your remote:



Move blinds assigned to 1 `group 1` to their ♥ `favorite` position.

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1. **Press** the 1 `group 1` button.

   (Group 1 will light up)

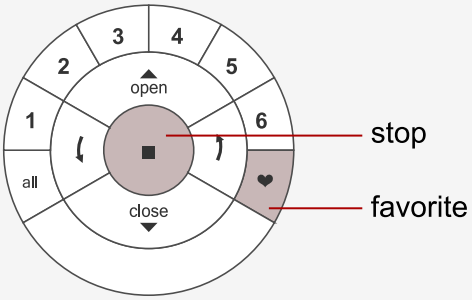
2. **Press** the ♥ `favorite` button.

   (All shades assigned to group 1 will move to their favorite position)

Pressing the `all` instead of 1 `group 1` button will move all blinds from all 6 groups on the remote to their ♥ `favorite` position.

Set a favorite position

Locate the following buttons on your remote:



Locate the `shade button` on your shade.

(Different shade types have different shade buttons. Consult the shade documentation for the exact location of the `shade button`)

1. **Move your shade to the desired favorite position**

   (Use your open, close and stop buttons to move the blind)

2. **Press ■ `stop` for 6 seconds.**

   (Keep pressing until the remote lights start blinking)

3. **Press and hold the `blind button`.**

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4. **Press the ❤ `favorite` button**

   (You will see the blind move up and down briefly)

5. **Release the `blind button`.**

6. If your remote is still flashing **Press `stop` for 6 seconds.**

   (Keep pressing until the flashing stops)

Performing a programming reset

A programming reset will remove the shade from the PowerView® network and group assignments will be erased.

1. **Press the `blind button` for approximately 12 seconds.**

   (The blind will jog after 6 seconds and finally after 12 seconds)

2. **Release the `blind button`.**

Your shade is now "disconnected" from the PowerView® network. If you are using the PowerView® APP you should manually delete the blind there too. To reconnect your blind to the PowerView network see adding a blind to a group .

Performing an end limit calibration

An end limit calibration will recalibrate the end limits stored in the shade. The shade automatically searches its new end limits by moving up and down.

> Note: This procedure is not applicable on EOS® 500 Rollerblind and Twist™ shades.

1. **Press** the `manual control button` for approximately **6 seconds**.

   (The blind will jog after 6 seconds)

2. **Release** the `manual control button`.

   (Depending on the product the shade will start moving up and down several times defining new open and close positions)

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Put Remote in sleep mode

Sleep mode will disable the motion sensor inside the remote. This will prevent the remote lights to turn on when motion is detected (like being picked up). Doing this will increase battery lifetime.

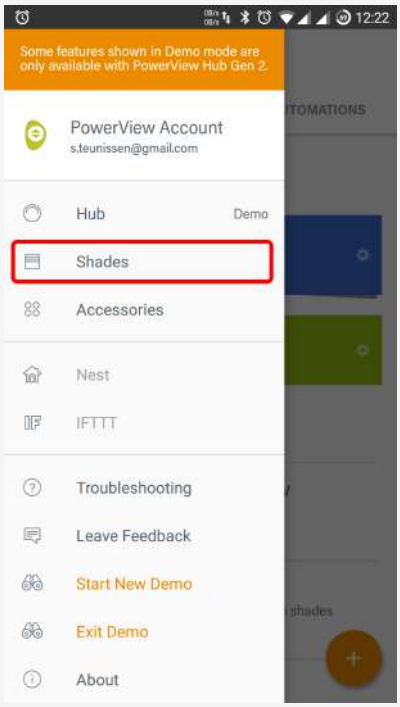
Press the `group 6` button for approximately **6 seconds**.

(The group buttons will flash as confirmation)

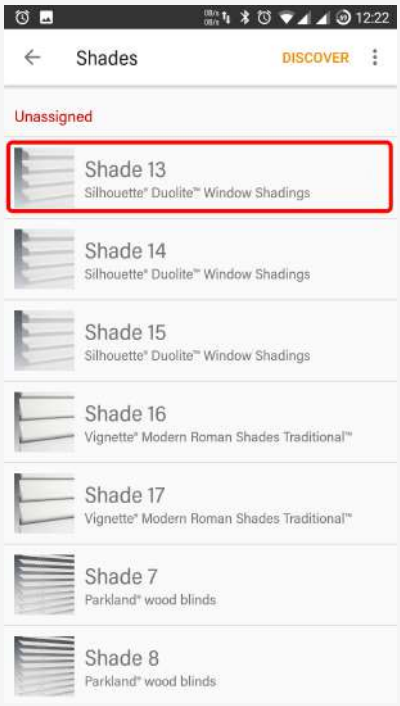
Advanced shade options

Advanced shade options allow for special commands like deleting shade or clearing shade memory.

Open the menu and select shades



Select the shade



Select `show advanced options` at the bottom

Scroll down to see the advanced options

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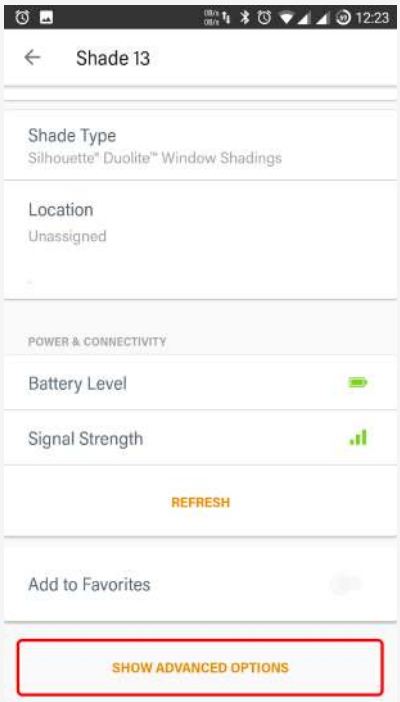

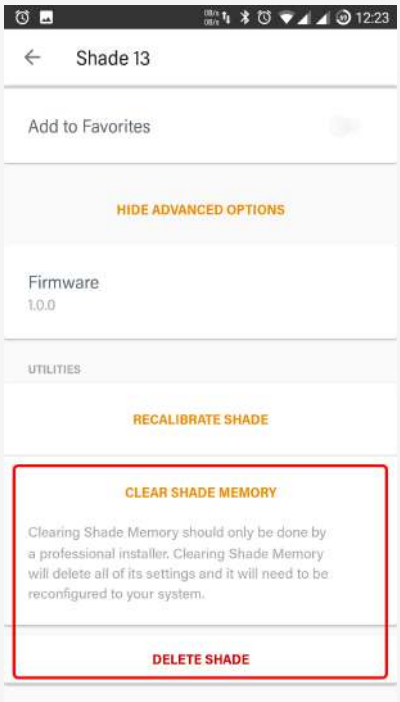

PowerView reset actions

Tables below explain the effect of a reset action on a particular shade. `Yes` or `no` in the table means that information is erased from the blind or not.

APP functions

The APP functions below can be found in the advanced section of the shade settings. Look here how to find them.

PV-M25T: Rollerblind / Twist

action	Endpoints/limits	Connection	Scene info
Blind: 6 second reset	yes. End limits need to redefined.	no	no
Blind: 12 second reset	no	yes (both hub and remote)	no
Blind:18 second reset	no	yes (both hub and remote)	yes

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HUBv1: (x button)	no	no	yes
HUBv2: (r button)	no	no	no
APP Clear shade memory	no	no	no
APP Delete shade	no	yes (only hub)	no

Important

If you want to do a six second reset on a PV-M25T motor you will need to do an extra power cycle during the reset action (look here for further instructions.) This is done for safety purposes.

Just pressing the reset button for 6 seconds will do nothing to the memory of the app.

PV-M25S: VB / Pleated / Duette / VVB

action	Endpoints/limits	Connection	Scene info
Blind: 6 second reset	re-reference top limit by running to the top until automatic stop	no	no
Blind: 12 second reset	no	yes (both hub and remote)	no
Blind: 18 second reset	no	yes (both hub and remote)	yes
HUBv1: (x button)	no	no	yes
HUBv2: (r button)	no	no	no
APP Clear shade memory	no	no	no

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APP Delete shade	no	yes (only hub)	no

Important

Identical to the PV-M25T it is possible to do a 6 second reset with power cycle. Motor behaves idential to the PV-M25T

Pleated / Duette / Roman Shades / Silhouettes

action	Endpoints/limits	Connection	Scene info
Blind: 6 second reset	recalibrate (Blind will run a calibration sequence)	no	no
Blind: 12 second reset	no	yes	no
Blind:18 second reset	yes	yes	no
HUBv1: (x button)	no	no	yes
HUBv2: (r button)	no	no	no
APP Clear shade memory	no	no	yes
APP Delete shade	no	yes	no

HUB2 led behaviour

Hub status	LED behaviour
Power On	Solid Aqua

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Bootup	Blinking Aqua
Downloading & applying firmware update	Solid Amber
Ready to connect to a wifi network	Solid Magenta
Ready to join a PowerView network	Blinking Amber
Connect to a PowerView network. Normal operation	Solid Blue
Transmitting a PowerView signal	Flashing Blue
Secondary hub. Connected to PowerView network. Normal operation	Solid Green
Secondary hub. Transmitting a PowerView network.	Flashing green
No IP address	Solid red

Hub IP address

There are several ways to determine the PowerView hub IP address.

From the PowerView app

Goto the menu (top left) and select `Hub` -> Select the hub you're connected to -> click `Hub Info` and lookup "IP Adress".

FING

Install FING on your mobile device and scan your network.

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