1. This Swid® remote control - known as RemSwiid™ - is a battery-operated Z-Wave portable controller which can control any off Z-Wave device, such adapter plugs, a switch inserts, sirens, etc. It is also suitable to control Z-Wave dimmer lighting devices and - with certain restrictions - blind and shutter inserts.

The RemSwiid™ is basically intended to control up to 8 sets of Z-Wave devices, "groupings" and/or "scenes". For the purpose of this manual, a "grouping" is where all the devices in the grouping are intended to do the same thing at the same time (e.g. turn on) and a "scene" is where the devices do different things in simultaneously or in a timed and/or conditional sequence. Your RemSwiid™ is capable of activating scenes, not of creating them. To create scenes, you need a more sophisticated primary controller.

The components of the RemSwiid™ have been manufactured under contract to our specifications and assembled, quality controlled and packaged by ourselves in France. In addition, RemSwiid™ unique leather and wood finish turns a technical product into a decorative object which is readily coordinated with many home decoration styles.

As remote control, capable of being hand-held, there are few physical installation guidelines for the RemSwiid™. This manual shall therefore focus primarily on how to set up and operate the RemSwiid™ in order to control Z-Wave devices, groupings and scenes.

I - FOREWORD

II - SPECIFICATIONS

<table>
<thead>
<tr>
<th>Device Type</th>
<th>PORTABLE REMOTE CONTROLLER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power supply</td>
<td>2x AA, 1.5V (LR6)</td>
</tr>
<tr>
<td>Transmission dist. Up to 30m indoors (depending on materials)</td>
<td></td>
</tr>
<tr>
<td>Size</td>
<td>172 x 50 x 22 mm</td>
</tr>
<tr>
<td>EU Norms</td>
<td>EN 61558-1 &amp; EN 55015</td>
</tr>
<tr>
<td>Power temp</td>
<td>0 – 40°C</td>
</tr>
<tr>
<td>Radio protocol</td>
<td>Z-Wave</td>
</tr>
<tr>
<td>LEDs</td>
<td>12 = 1 green, 1 red, 1 blue and 9 amber</td>
</tr>
<tr>
<td>Frequency</td>
<td>868,42 MHz (EU)</td>
</tr>
</tbody>
</table>

Your RemSwiid™ has been certified by a specially approved certification firm and, as such, is fully interoperable with all the certified Z-Wave devices produced by other manufacturers using the same authorised radio frequency (EU in our case).

Changing the pictograms:

The RemSwiid™ has a pictogram associated with each of the 8 device keys other than the "All" key. The device has two (2) indicator lights in each pictogram (for 4 (four) vertically aligned pictograms are provided).

The RemSwiid™ is provided with a pre-cut folded accordion strip containing an additional total of 90 ready-to-use pictograms representing commonly controlled home automation devices. They are stored in a cavity next to the battery compartment and are for inclusion by you, so as to correspond to your personal configuration of the device keys.

To insert/change a pictogram:

1. Unsnap the bottom of the leather cover of the RemSwiid™ using a pointed object like a screwdriver.
2. Remove the tray containing the pictogram you want to include/change.
3. Insert/substitute the pictogram(s), reinsert the tray and snap the leather cover back on.

Should you want a specific pictogram which does not figure in the collection provided, do not hesitate to place a specific order via our website on www.swiid.com/products/remote.

IV - PRIMARY OR SECONDARY Z-WAVE CONTROLLER?

As a certified Z-Wave Plus controller, your RemSwiid™ can be used either as primary or a secondary controller and it can be switched from one to the other. As a primary controller, it will create its own network using its factory-set unique identification number (Home ID), which will be attributed to all the devices (also additional controllers) which will be included into the Z-Wave network.

Because your RemSwiid™ is really intended to remain in one room and because of its limited interface, it is generally used as a secondary controller in a home with a large Z-Wave network.

V - THE REMOTE CONTROL AS A PRIMARY Z-WAVE CONTROLLER

This is the default configuration of your RemSwiid™. There is therefore no specific set up necessary for it to act as a primary controller. However, configuration steps are necessary to associate your RemSwiid™ with each of the Z-Wave devices which you want to operate and for any additional device you want to include in the same Z-Wave network as your RemSwiid™.

A - DIRECT INCLUSION AND CONTROL OF A Z-WAVE DEVICE

1. Press three times (3x) on the Device key (other than the "All" key) to which you want to allocate your external Z-Wave device. The amber LED above the device key will blink and the blue Z-Wave LED in the centre of the remote will light up and stay lit indicating you are in the setup mode.

2. The interface panel of the RemSwiid™ includes keys (buttons), pictograms and LEDs, namely:
   - Eight (8) individual "Device" keys each for one device/group/scene, each key with its own associated pictogram and amber LED activity indicator
   - One (1) "All" key also with its own amber LED activity indicator, but no pictogram.
   - One (1) "Up" (or "On") command key and the associated green LED indicator
   - One (1) "Down" (or "Off") command key with the associated red LED indicator
   - One (1) "Stop" command key with no associated LED indicator
   - One (1) blue LED to indicate when remote is in Z-Wave Setup Mode

The eight (8) individual device keys will be referred to generally as device keys, and so shall the "All" key depending on the context. The other 3 keys located centrally are the command keys.

B - INCLUSION OF A Z-WAVE DEVICE WITHOUT CONTROLLING IT

There are cases where you might want to include Z-Wave devices which you cannot or do not want to - control into the network of your RemSwiid™. A typical example would be the inclusion of a Z-Wave motion sensor (say to associate it with the Z-Wave adapter plug of lamp).

The steps for this inclusion are as follows:

1. Press and hold both the "Up" and "Down" command keys of your RemSwiid™ until the blue Z-Wave LED in the centre of the remote lights up (after 2-3 seconds) and stays lit indicating you are in the Setup Mode.
2. Press again once (1x) but only the "Up" command key and the green LED in the centre of your RemSwiid™ will blink to indicate that it is now in the Inclusion Mode.
3. Put the Z-Wave device you want to include in inclusion mode (generally done by pressing once or several times on an inclusion/exclusion button on the device - see device's manual) and the green LED on the remote will blink.
4. The inclusion process will start automatically; the amber LED above the device key will first turn off, then the green and blue Z-Wave LEDs will also turn off after 1-2 seconds to indicate success. In order to create groupings, simply add new devices to the chosen device key following the steps described above. Each grouping may include up to eight (8) devices.

C - EXCLUDING A Z-WAVE DEVICE ALTOGETHER

1. Press and hold both the "Up" and "Down" command keys until the blue Z-Wave LED in the centre of the remote lights up (after 2-3 seconds) and stays lit indicating you are in the Setup Mode.
2. Press again once (1x) but only the "Down" command key and the red LED in the centre of the remote will blink to indicate that it is now in the Inclusion Mode.
3. Put the Z-Wave device you want to exclude in exclusion mode (see manual of the device) and the exclusion process will start automatically whereby the red LED will turn off and the green LED will blink for 1-2 seconds to indicate success and the blue Z-Wave LED will also turn off.
4. Once the device has been successfully excluded, its Node ID and the Home ID of the remote controller will have been erased from the device.

D - REMOVING A DEVICE FROM A GROUPING

1. Press and hold both the "Up" and "Down" command keys until the blue Z-Wave LED in the centre of the remote lights up (after 2-3 seconds) and stays lit indicating you are in the Setup Mode.
2. Press once on the Device key of the grouping from which you want to remove the device. The amber LED above the Device key and the red LED in the centre will both turn on.
3. Press the Z-Wave device you want to exclude in exclusion mode (see manual of the device): the red and amber LEDs will turn off and the green LED will blink for 1-2 seconds to indicate success and the blue Z-Wave LED will also turn off.

The device excluded from the grouping will retain both its Node ID and the Home ID of your RemSwiid™ and the other existing associations of the device (including control by other controllers) will remain undisturbed.
The device excluded from the grouping will retain both its Node ID and the Home ID of your RemSwiid™ and the other existing associations of the device (including control by other controllers) will remain undisturbed.

**VI - THE REMOTE CONTROL AS A SECONDARY CONTROLLER**

The first task is to get your RemSwiid™ included into the network of your primary Z-Wave controller (i.e. substituting the Home ID of the primary controller for the remote's own factory-set Home ID). The factory-set Home ID of your RemSwiid™ will be lost and can be reinserted at any time by running Z-Wave "Reset" procedure (see dedicated Chapter) : your remote control of course then be excluded from the primary controller's network.

**A - INCLUDING THE REMOTE INTO ANOTHER Z-WAVE NETWORK (LEARN MODE)**

Proceed as follows:

1. Put the primary Z-Wave controller in the inclusion mode (see user's manual of the controller)
2. Press and hold both the "Up" and "Down" command keys of the remote until the blue Z-Wave LED lights up (after 2-3 seconds) and stays lit indicating the remote is in the Setup Mode.
3. Press once on the "All" key and the red LED will also light up to indicate success and after 1-2 seconds all the LEDs will turn off.

As with the previous removal of a single device from a grouping, all the devices of the deleted grouping will retain their Node ID and the Home ID of your RemSwiid™.

**B - EXCLUDING THE REMOTE FROM A Z-WAVE NETWORK**

Your remote can be excluded from the network via its primary command keys or via a specific exclusion mode set up in the inclusion/exclusion module of your Z-Wave controller.

**C - PUTTING THE REMOTE IN LISTENING MODE**

If you want to send instructions from your primary controller to your RemSwiid™, it will either have to wait until the next programmed wake-up to receive the instructions or you can put it into Listening Mode by pressing twice (2x) on the "All" key, at time which the blue Z-Wave LED in the centre of the remote will remain lit (up to 30 seconds).

**D - CONTROLLING A Z-WAVE DEVICE THROUGH THE REMOTE**

Although your RemSwiid™ is programmed to act as an inclusion controller in certain instances, it is recommended any Z-Wave device you want to control be included into the network via its primary command keys first. If, however, you want to use the advanced configuration options

Once included in the Z-Wave network, attribute each of the devices which you want to control to one or more of the RemSwiid™’s Device keys. Proceed exactly as you would to control a device if your RemSwiid™ were a primary controller, namely: pressing three times (3x) on the appropriate device key (other than the "All" key) and putting the device to be controlled into the inclusion mode. Please see steps 1 to 3 under Section A of the preceding Chapter for details.

**E - CONTROLLING A Z-WAVE SCENE THROUGH THE REMOTE**

If you want to control a scene which has been created and stored on the primary controller, you will need to instruct the device to scene to one of the devices keys of your RemSwiid™. In order to do this, you will first need to set the functionality of the device key from "Control Associations Groups" (default setting ) to "Control Scene/Group" (see instruction "2.4.2. Controlling a Z-Wave Scene to this device using the configuration options (parameter settings) of your RemSwiid™ via your primary controller's user interface : see manual of your primary controller and advanced setup and configuration options of your RemSwiid™ at http://www.swift.com/en/ZNCC1-AS.pdf.

**VII - OPERATING THE REMOTE CONTROL**

The basic operating principle of the RemSwiid™ is a two-step command/control process :

1. Select which device/group/scene you want to control by pressing on appropriate device key and the amber LED above the device key will turn on for up to 3 seconds.
2. Select command you to apply to the selected device/group/scene by pressing on appropriate command key ( ")

If the command is either not at ALL successful or only PARTLY successful, the blue LED will start to blink and then all central LEDs will blink together three times (3x) before turning off.

**VIII - ASSOCIATIONS**

Your can be used to set up “associations” in the Z-Wave network in which it operates. In Z-Wave speak, an “association” means that one node (i.e. device) is programmed to control directly another node whatever the status of the status of the first node changes (by being triggered or operated), all without needing to pass through a central controller. As an example would be an association between a Z-Wave door sensor (Association Source Node) with a Z-Wave light switch (Association Destination Node), so that when the door sensor is triggered the light switch is automatically turned on, even if no Z-Wave controller is active at the time.

Associations are obviously only possible between devices which are part of the same Z-Wave network. Associations are bidirectional (one-way from a first node “Association Source Node”) which issues a message to the second node (“Association Destination Node”) which receives the message and executes a corresponding pre-arranged action. It is possible to have bi-directional (reciprocal) associations, but in order to achieve this, it is necessary to create two separate associations : one from A to B and one from B to A.

**IX - OTHER SETUP AND CONFIGURATION OPTIONS**

Your RemSwiid™ offers a number of other setup and advanced configuration options, including the capacity to act as an Inclusion Controller after having handed over its primary controller role to a Central Static Controller. For further details, please refer to http://www.swift.com/en/ZNCC1-AS.pdf.

**X - RESETING THE REMOTE CONTROL**

In order to reset your RemSwiid™ to its Z-Wave original factory status and for it to recover its factory-settings and the new Home ID, proceed as follows:

1. Press and hold both the “Stop” and “All” keys until the red and green LEDs both start blinking at the same rate (about 2 Hz).
2. Press three times (3x) on the “Up” key of your remote and the blue Z-Wave LED will also light up. After about 2-3 seconds, the blue and red LEDs will turn off and the green LED will remain lit for 1-2 seconds indicating that the reset has been completed.

Resetting the RemSwiid™ will reset all associations, which this a new randomly generated Home ID. Obviously, if the RemSwiid™ remote is the primary controller in the Z-Wave network, resetting it will result in the nodes in the network being orphaned and it will be necessary after the reset to exclude all device from each other (by pressing the “All” key on the device) and creating a new Home ID. If the RemSwiid™ is being used as a secondary controller in the network, the reset procedure should only be used once it has been completely carried out in the Z-Wave network, or Central Scene” or if an exclusion is not feasible (e.g. if the network’s primary controller is missing or otherwise inoperable).

**XI - WHAT IS Z-WAVE?**

Z-Wave is a bidirectional radio communication protocol designed specifically for controlling, operating and monitoring home automation equipment : lighting, heating, security, etc.

The Z-Wave protocol utilizes an optimized technology for weak bandwidth radio communications (9-20 Kbps) over the 900 MHz band (868/915 MHz in Europe) and does not interfere with wireless receivers operating in 2.4 or 5.0 GHz (WiFi, Bluetooth, ZigBee®).

The range of the Z-Wave signal is approximately 50m (higher outdoors and lower indoors). However, the Z-Wave technology automatically and dynamically creates a "mesh network" between the Z-Wave devices that compose a Z-Wave network, and each of these devices becomes itself a repeater. This enables connections between devices that are not directly connected. Each other.

Each Z-Wave network has its own identifier (Home ID), which enables multiple Z-Wave networks in single location to operate independently and without interfering with other.

The main advantage of the Z-Wave radio protocols over mesh network competitors such as ZigBee® is the complete interoperability between the various Z-Wave devices from different manufacturers.
This interoperability is guaranteed by a "Zertification" process which is performed by companies approved by Sigma Designs, which itself is the creator and owner of the Z-Wave, and by the Z-Wave Alliance, which was created in 2005 to bring together all the stakeholders in the Z-Wave ecosystem. The Z-Wave Alliance has more than 450+ members (as of February 2017) and more 1700 products have been "Zertified". It is estimated that, as of end 2016, more than 70 million devices using the Z-Wave technology had been sold worldwide.

Your RemSwiid™ has been successfully tested with most of the integrated Z-Wave IP gateways available in Europe today (June 2017).

**XII - Swiid® / CBCC DOMOTIQUE**

Swiid® is a registered trademark of CBCC Domotique SAS, a French limited liability company, incorporated in Paris under the Commerce Registry number 791 884 125 and having its registered address at 27 avenue de l’Opéra, 75001 Paris, France

**WARRANTY**

CBCC Domotique SAS (as defined in the next section and hereinafter referred to as the "Supplier") warrants to the original purchaser for a period of twelve (12) months from the date of purchase or delivery (whichever is later) that the present device is free from material defects in materials and workmanship and undertakes, subject to continuing availability of the device, to supply at its cost a new device to replace any malfunctioning or otherwise defective device. In no event, shall the Supplier refund any monies paid for the device.

Warranty claims must be filed by using the form provided on the Supplier’s website (www.swiid.com/en/contact.html) and completing it in full and sending us (against refund) the defective device and a copy of the proof of purchase (with the date of purchase or delivery date).

Warranty claims made more than thirty (30) days after the occurrence of the event giving rise to the warranty claim and claims made without following the procedure set out above shall not be admissible.

The present warranty shall not cover, whether for damages to the device itself and for consequential damages, faults not resulting from a material or manufacturing defect on the device, including but not limited to:

- Accidents, actions of civil or military authority, civil disturbances, war, strikes, fires, floods or other catastrophic events;
- Installation or operation of the device other than in conformity with the present Installation and User’s Guide;
- Devices which have been repaired or modified by any person not duly authorised to do so by the Supplier;
- Damages caused by (i) software utilized directly or indirectly by the device's owner or user, (ii) computer viruses or other malware attacks or (iii) failure to implement any firmware updates supplied without charge by the Supplier; and
- Damages caused by power surges, by improper connection to the power grid or by using unauthorised accessories.

The present warranty shall be governed by the laws of France.

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### SUMMARY - Keystrokes and LED Combinations

<table>
<thead>
<tr>
<th>Keystrokes</th>
<th>Device selected</th>
<th>SUCCESS</th>
<th>FAILURE</th>
<th>Listen mode</th>
<th>[Include] and control</th>
</tr>
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<tbody>
<tr>
<td>❌</td>
<td>Off</td>
<td>Blink 3x</td>
<td>Blink 3x</td>
<td>Blink 3x</td>
<td>Blink 3x</td>
</tr>
<tr>
<td>✅</td>
<td>On</td>
<td>Blink 3x</td>
<td>Blink 3x</td>
<td>Blink 3x</td>
<td>Blink 3x</td>
</tr>
<tr>
<td>✅</td>
<td>D-Off</td>
<td>Blink 3x</td>
<td>Blink 3x</td>
<td>Blink 3x</td>
<td>D-Blink</td>
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<tr>
<th>Keystrokes</th>
<th>Setup mode</th>
<th>Include</th>
<th>Exclude</th>
<th>Remove device from grouping</th>
<th>Delete grouping</th>
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<tr>
<td>❌</td>
<td>On</td>
<td>Blink</td>
<td>Blink</td>
<td>On</td>
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</tr>
<tr>
<td>✅</td>
<td>D</td>
<td>Blink</td>
<td>Blink</td>
<td>D-On</td>
<td>D-On</td>
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<table>
<thead>
<tr>
<th>Keystrokes</th>
<th>Association mode</th>
<th>Create association</th>
<th>Creation success</th>
<th>Remove dest. node</th>
<th>Removal success</th>
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<tbody>
<tr>
<td>❌</td>
<td>Stop</td>
<td>Stop</td>
<td>Stop</td>
<td>Stop</td>
<td>Stop</td>
</tr>
<tr>
<td>✅</td>
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<td>Stop</td>
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<table>
<thead>
<tr>
<th>Keystrokes</th>
<th>Delete Association</th>
<th>Ass. deletion success</th>
<th>In-/Exclude as secondary</th>
<th>Reset (step 1)</th>
<th>Reset (step 2)</th>
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<tbody>
<tr>
<td>❌</td>
<td>Stop</td>
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</tr>
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