PRODUCT DIAGRAM

Z-URC™
(Z-Wave Enabled Universal Remote Control)

Operating Instructions

Z-URC™
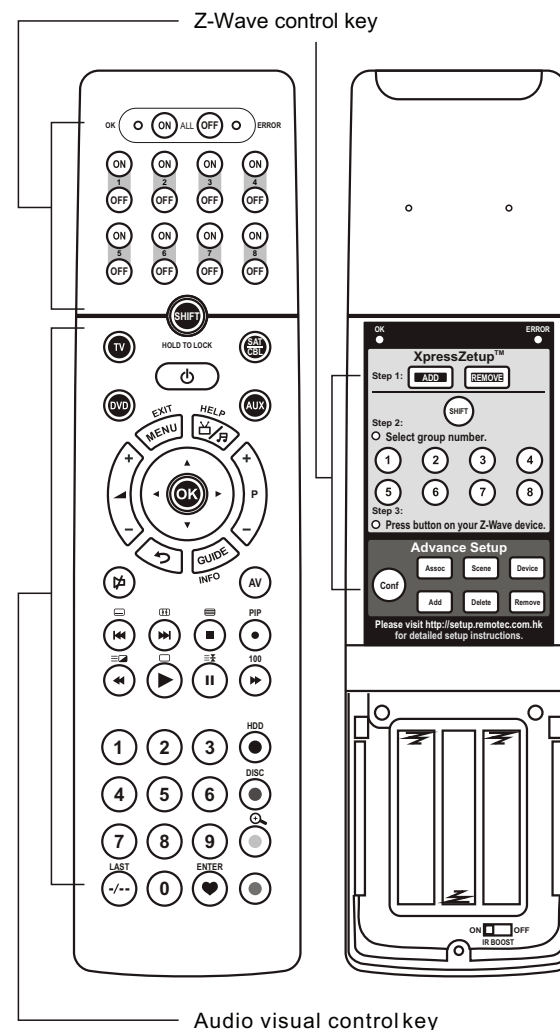**(Télécommande universelle activée par Z-Wave)**

Instructions d'utilisation

Z-URC™
(Universal-Fernbedienung mit Z-Wave-Unterstützung)

Bedienungsanleitung

Z-URC™
(Controlador remoto universal habilitado para Z-Wave)

Instrucciones de operación

Z-Wave control key

Audio visual control key

8330 V0.0   F820-8332-0000   1

95 x 180mm   Front

1   HOW TO INSTALL THE BATTERIES

3xAAA batteries are required for operation.

1. Remove the battery cover on the back of your Z-URC™.
2. Check the polarity of the batteries and the "+/-" marks inside the battery compartment.
3. Insert the batteries.
4. Push the battery cover back in place.

⚠ **CAUTION (Battery safety)**

- Use new batteries of the recommended type and size only.
- Never mix old and new batteries together.
- To help avoid the chance of chemical leaks remove the batteries from the remote if you do not intend to use the remote for an extended period of time.
- Dispose of old batteries properly do not burn or bury them.

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2   SETUP THE Z-URC™ FOR RF EQUIPMENT

Welcome to the world of home automation, your Z-URC™ will be able to control all the Z-Wave products around your house. The following section will guide you through the set up processes for your Z-URC™.
Firstly there is the XpressZetup™ for beginner users that do not have a large amount of Z-Wave products. Following is the advanced set up that you will need to become familiar with as your Z-Wave network of products continues to expand. Please note that all devices, lights and nodes made from different vendors are compatible with your Z-URC™ as long as the carry the Z-Wave logo.

SPEAKS Ⓩ WAVE®

Please carefully read through the following then store the manual for future reference.

KEY FUNCTION DESCRIPTIONS

1. (ON) ALL (OFF)   Turns on or turns off all Z-Wave devices in the device database.

2. (ON) (OFF)   On and off switches for the different Z-Wave groups and scenes.

3. (SHIFT)   Press once to access secondary functions for the next button. Press and hold to activate shift lock for permanent use of shift functions. Press shift again to release shift lock.
   Note: The shift key allows you access group's shift 1 through shift 8 giving you a total of 16 groups.

4. [ADD] [REMOVE]   The ADD and REMOVE keys are used for the XpressZetup™ process.
   ADD will perform 2 functions:
   (1) Add the device to network also known as inclusion.
   (2) Add the device to the assigned group.
   REMOVE will only remove the device from its assigned group but not exclude it from the network.

5. (SHIFT)   This shift key is used for accessing group numbers 9 to 16 while programming your devices.

6. ①②③④⑤⑥⑦⑧   These are your group numbers 1 through 8 and also become group numbers 9 through 16 when combined with the shift key.

7. (Conf)   The configuration key is used during the advanced setup process.

8. [Assoc]   Assoc is used in conjunction with Add, Delete and Remove to set up association groups.

9. [Device]   Device is used in conjunction with Add and Delete to include or exclude devices to the network.

10. [Scene]   Scene is used in conjunction with Add, Delete and Remove to set up scenes.

11. [Add]   The Add key is used in the advanced set to up to:
    - Add to a network (inclusion).
    - Add to an association group.
    - Add to a scene.

12. [Delete]   The Delete key is used in the advanced set up to:
    - Delete a device from a network (exclusion).
    - Delete an association group.
    - Delete a scene.

13. [Remove]   The Remove key is used in the advanced set up to:
    - Remove a device from association group.
    - Remove a device from a scene.

Basic Operation

After adding a device to your remote you can turn the device on or off by using the on off switches located on the top of the top side of the remote.

By adding a device to set 1 you can control that device with the first set of ON OFF buttons on the topside of the remote.

To operate dimmer switches and curtain motors you can hold the ON button to open the curtain or make the light brighter. By holding the OFF button you can retract the curtain or make the light dimmer.

By XpressZetup™

Setting up a group

Groups allow you to control multiple devices with the press of a button. For example you can group all your bedroom Z-Wave devices together so that everything will turn on with the press of a button before you are ready to retire for the night.

Add device to the group

1. Press the ADD key to begin setup then the OK light will turn on and the step 2 light will flash slowly.
2. Select a key from 1 to 16 (1~8 or SHIFT 1~8), the step 2 light turns off and the step 3 light flashes slowly.
3. Press the button of desired Z-Wave device then the OK light will flash once then turn off indicating set up has been successful.
4. The added device will now function by using the ON OFF key of the corresponding number on the top side of the remote.

Note: If you can not add your Z-Wave Device it could be that the Device was previously added to a different network.
In this case delete the device following the steps in the "Delete device from network" section then add the device again.

Remove device from the group

1. Press the REMOVE key to begin.
2. Select a key from 1 to 16 (1~8 or SHIFT 1~8), the step 2 light flashes once and stays on then the step 3 light flashes slowly.
3. Press the button on target Z-Wave device then the step 3 light will turn off and the OK light will flash once and turn off indicating the device has been removed from the group.

By Advanced Set Up Process
(For advanced users to get the full flexibility offered by the Z-URC™)

The Z-URC™ remote is able to be set up with different concepts such as Scene, Group, Association Group and Network. These concepts are all setup on the underside of your Z-URC™ and operated with the corresponding number on the topside of the remote. You can set up a combination of 16 scenes or groups containing up to 232 devices per group or 32 devices per scene and the network can store up to 232 devices.

Note: If you can not add your Z-Wave Device it could be that the Device was previously added to a different network.
In this case delete the device following the steps in the "Delete device from network" section then add the device again.

Below is an explanation of the terms used in this manual and during the advanced set up process of your Z-URC™.

Device/Light/Node

Devices, lights and nodes are all terms to describe an individual Z-Wave device. These are all interchangeable when setting up your Z-Wave network.

Add/Remove/Delete

This is your basic terminology for including and excluding devices to your Z-URC™. Add device to network is interchangeable with include node in network while delete device from network is interchangeable with exclude node from network in this manuals setup process. Remove is taking one device out of a group, scene or association group while the device still exists in the remotes network.

Note: The upper case REMOVE and ADD keys are used for XpressZetup™ only and the lower case Remove and Add keys are only used in the advanced set up process.

Primary Controller

This is the main device used to set up and organize your Z-Wave network. There is only ever one primary controller in a network and it must be used to add or delete devices. Primary controllers can come in different forms such as a portable device like a hand-held remote, permanently installed device, a Z-Wave enabled PC or a Z-Wave enabled Ethernet router/bridge.

Secondary Controller

A Z-Wave network can support additional controllers so you can access multiple Z-Wave remotes throughout the home. If you have two identical controllers for your secondary and primary controllers they will work the same with the exception that you can not add or delete devices with the secondary control.

Setting up a network

By adding a device to the network the remote will store this into a master database for all your equipment. Each Z-Wave device in your network will act as a signal repeater that will communicate with other Z-Wave devices.

This creates a network where all your devices communicate with each other which increases the distance your signal can travel and helps eliminate any potential RF dead spots.

By pressing the ALL ON or ALL OFF button you will be able to turn on or off all the Z-Wave products in your house. Anytime you add a Z-Wave device to a group or scene it will also store this into the database the same as if you add the device to the network.

Add a device to the network
1. Enter Z-Wave advanced setup by pressing the Conf key then the OK light turns on.
2. Press Add once, the OK light flashes once and stays on.
3. Press Device once, the OK light flashes once and stays on then the step 3 light will flash slowly.
4. Press the button on desired Z-Wave device the OK light flashes once and turns off indicating set up is successful.

Delete a device from the network
1. Enter Z-Wave advance setup by pressing the Conf key then the OK light turns on.
2. Press Delete once, the OK light flashes once and stays on.
3. Press Device once, the OK light flashes once and stays on then the step 3 light will flash slowly.
4. Press the button on target Z-Wave device, the OK light flashes once and turns off indicating the device was successfully deleted.

Setting up an association within a group
Associations are used to set up one node to automatically contact another node when the first is triggered. For example you can set up a door sensor (primary node) to turn on the light (secondary node) when the door has been opened.

Add device to an association group
1. Enter Z-Wave advance setup by pressing the Conf key then the OK light turns on.
2. Press Add once, the OK light flashes once and stays on.
3. Press Assoc once the OK light flashes once then stays on then the step 2 light flashes slowly.
4. Select a group number from 1 to 16 (1~8 or SHIFT 1~8), OK flashes once and stays on then the step 3 light will flash slowly.
5. Press the button on secondary Z-Wave device the OK light flashes once then keeps flashing slowly.
6. Press the button on the primary Z-Wave device then the OK light flashes once and turns off indicating the two devices were successfully associated.

Remove a device from an association group
1. Enter Z-Wave advance setup by pressing the Conf key then the OK light turns on.
2. Press Remove once, the OK light flashes once and stays on.
3. Press Assoc once the OK light flashes once then stays on then the step 2 light will flash slowly.
4. Select a group number from 1 to 16 (1~8 or SHIFT 1~8), the OK light flashes once and stays on then the step 3 light will turn off.
5. Press the button on the secondary Z-Wave device, the OK light flashes once and stays on.
6. Press the button on the primary Z-Wave device then the secondary device will no longer be associated with the primary device. The step 3 button will turn off and the OK light will flash once then turn off indicating the device was removed from the association group.

Delete an association group
1. Enter Z-Wave advance setup by pressing the Conf key then the OK light turns on.
2. Press Delete once, the OK light flashes once and stays on.
3. Press Assoc once the OK light flashes once then stays on then the step 2 light will flash slowly.
4. Press the group you wish to delete a primary device from 1 to 16 (1~8 or SHIFT 1~8) OK flashes once and stays on then the step 3 light will flash slowly.
5. Press the button on target primary Z-Wave device, the OK light will flash once then turn off indicating the primary device and all associated devices were deleted from the group.

How to set up and use a scene
Scenes are used for setting up multiple devices in the same way as a group but in addition to groups, scenes also control dimmer lights that you can set to different levels depending on the situation. For example you can have the scene set to low brightness for watching a movie or going to bed or alternatively set the lights brighter when reading or working. After the scene has been programmed it will work with the corresponding ON OFF key on the top side of the remote. For example the scene programmed into group 1 will be activated with the first set on ON OFF buttons on the topside of the remote.

Add a device to a scene
1. Enter Z-Wave advance setup by pressing the Conf key then the OK light turns on.
2. Press Add once, the OK light flashes once and stays on.
3. Press Scene once the OK light flashes once then stays on then the step 2 light will flash slowly.
4. Select a key from 1 to 16 (1~8 or SHIFT 1~8), the OK light flashes once and stays on then the step 3 light will flash slowly.
5. Press the button on desired Z-Wave device, the OK light flashes once and stays on then the step 3 light will also remain on.
6. Press and hold the button on the dimmer, until the dimmer is set to the desired brightness level.
7. Press Scene once, the OK flashes once then turns off and the step 3 light turns off indicating the device has been successfully added.

Remove a device from a scene
1. Enter Z-Wave advance setup by pressing the Conf key then the OK light turns on.
2. Press Delete once, the OK light flashes once and stays on.
3. Press Scene once, the OK light flashes once and stays on then the step 2 light will flash slowly.
4. Select a key from 1 to 16 (1~8 or SHIFT 1~8), the OK light flashes once and stays on then the step 3 light will flash slowly.
5. Press the button on desired Z-Wave device, the OK light stays on then flashes once and turns off indicating that the device was successfully removed.

Delete a scene
1. Enter Z-Wave advance setup by pressing the Conf key then the OK light turns on.
2. Press Delete once, the OK light flashes once and stays on.
3. Press Scene once, the OK light flashes once and stays on then the step 2 light will flash slowly.
4. Then press the scene you wish to delete from 1 to 16 (1~8 or SHIFT 1~8) the OK light will flash once then turn off indicating the group has been deleted.

3 ADDITIONAL FEATURES

There are a number of additional features included in the Z-URC™ remotes that allow you to replicate an additional primary or add a new secondary controller to your Z-Wave network. Below is a summary and instructions on using all the additional features.

Copying all network and device information to a secondary remote controller

You can add a secondary remote to your network and copy all of your primary remotes network and device information to the secondary remote by following the steps below.
1. Enter Z-Wave Additional Feature Setup Mode by pressing and holding the Conf and Remove keys for 3 seconds then the OK light will remain on.
2. Place the two remotes close to each other.
3. Enter 8541 on the XpressZetup™ keypad the OK light will flash once after you enter one digit and then will keep flashing after entering all 4 digits.
4. Make sure the target remote is set up to receive information. (Refer to the target remotes user manual for more information)
5. When the replication has been completed the OK light flashes once slowly and then turns off.
Note: If the replication is unsuccessful, the OK light turns off and the error light will flash 6 times then turn off.

Copying only network information to a secondary remote controller

You can add a secondary remote to your network and copy all of your primary remotes network information to the secondary remote by following the steps below.
1. Enter Z-Wave Additional Feature Setup Mode by pressing and holding the Conf and Remove keys for 3 seconds then the OK light will remain on.
2. Place the two remotes close to each other.
3. Enter 8542 on the XpressZetup™ keypad the OK light will flash once after you enter one digit and then will keep flashing after entering all 4 digits.
4. Make sure the target remote is set up to receive information. (Refer to the target remotes user manual for more information)

Transferring all network and device information to an new primary remote controller (primary shift)

You can transfer all of your remotes information to another remote so that it will become the new primary remote. This is done by following the steps below.
1. Enter Z-Wave Additional Feature Setup Mode by pressing and holding the Conf and Remove keys for 3 seconds then the OK light will remain on.
2. Place the two remotes close to each other.
3. Enter 8361 on the XpressZetup™ keypad the OK light will flash once after you enter one digit and then will keep flashing after entering all 4 digits.
4. Make sure the target remote is set up to receive information. (Refer to the target remotes user manual for more information)

Transferring only network information to an new primary remote controller (primary shift)

You can just transfer network information to another remote so that it will become the new primary remote. This is done by following the steps below.
1. Enter Z-Wave Additional Feature Setup Mode by pressing and holding the Conf and Remove keys for 3 seconds then the OK light will remain on.
2. Place the two remotes close to each other.
3. Enter 8362 on the XpressZetup™ keypad the OK light will flash once after you enter one digit and then will keep flashing after entering all 4 digits.
4. Make sure the target remote is set up to receive information. (Refer to the target remotes user manual for more information)

Replicating all network and device information from a primary controller to this remote controller (aka learning mode)

You can have this remote
(1) Copy the settings from another Z-Wave remote control
(2) Can be include into existing Z-Wave Network and become a new primary or secondary remote
(3) Can be exclude from the Z-Wave network

by following the steps below:

1. Enter Z-Wave Additional Feature Setup Mode by pressing and holding the Conf and Remove key for 3 seconds then the OK light will remain on.
2. Place the two remotes close to each other.
3. Enter 8363 on the XpressZetup™ keypad the OK light will flash once after you enter one digit and then will keep flashing after entering all 4 digits.
4. Make sure the primary source remote is set up to send information to your Z-URC™remote control. (Refer to the target remotes user manual for more information)
5. When the replication has been completed the OK light flashes once slowly and then turns off.
Note: If the replication is unsuccessful, the OK light turns off and the error light will flash 6 times then turn off.

⚠ **CAUTION**

Scene Controller Configuration Command and Association Command

If scenes are copied to a secondary controller using the replication function, those scenes cannot be modified using the Scene Controller Configuration and Association Commands. If modifications are desired, it is recommended to delete all these scenes from the controller prior to using the two aforementioned commands.

Listening mode (there are multiple usage by entering this mode)
- Version command class: To get application software version, the Z-Wave protocol version and the supported Z-Wave command version of this remote.
- Manufacturer command class: To get the manufacture ID, product type ID and the product ID of this remote.
- Scene configuration command class: Home gateway can bundle a scene ID to a group ID using this command.
- Association command class: To create and maintain associations in this remote.

1. Enter Z-Wave Additional Feature Setup Mode by pressing and holding the Conf and Remove keys simultaneously for 3 seconds then the OK light will remain on.
2. Enter 8364 on the XpressZetup™ keypad the OK light will flash once after you enter one digit and then will keep flashing after entering all 4 digits.
3. Listening mode will automatically exit after 1 minute of inactivity.
4. When exiting listening mode the OK light flashes once then turns off.
Note: The mode must not be exited during communication process with another remote. Please wait for entire communication process to be completed.

Resetting your network
You can reset your remote to clear all Z-Wave network and device information by the following steps:

Note: After reset the remote, each device should individually perform in the section on "Delete device from the network" and "Add device to the network".

1. Enter Z-Wave Additional Feature Mode by pressing and holding the Conf and Remove keys for 3 seconds then the OK light will remain on.
2. Enter 8761 on the XpressZetup™ keypad the OK light will flash once after you enter one digit and turns on after entering all 4 digits.
3. The OK light flashes once slowly and then turns off indicating the reset was successful.

Note: If the reset is unsuccessful, the OK light turns off and the error light will flash 6 times then turn off.

4 WIRELESS INFORMATION

Wireless range:
This device has an open air line of sight transmission distance of 100 feet which complies with the Z-Wave standards. Performance can vary depending on the amount of objects in between Z-Wave devices such as walls and furniture. Every Z-Wave device set up in your house will act as a signal repeater allowing devices to talk to each other and find alternate routes in the case of a reception dead spot.

Radio frequency limitations:
1. Each wall or object (i.e.: refrigerator, bookshelf, large TV, etc) can reduce the maximum range of 65 feet by up to 25 to 30%.
2. Plasterboard and wooden walls block less of the radio signal then concrete, brick or tile walls which will have more of an effect on signal strength.
3. Wall mounted Z-Wave devices will also suffer a loss of range as they are housed in metal junction boxes which could reduce the range by up to 25 to 30%.

5 AUDIO VISUAL SETUP AND OPERATION

Your Z-URC™ is a state-of-the-art device which will give you greater control over your houses electrical products than ever before. This section will guide you through the set up and operation of the audio visual products in your house. After set up please store this manual for future reference.

KEY FUNCTION DESCRIPTIONS

1. **SHIFT** — Press once to access secondary functions for the next button. Press and hold to activate shift lock for permanent use of secondary functions. Press shift again to release shift lock.
The Z-URC™ 550 operates up to 8 AV devices which are accessed by using the shift key and TV or DVD and so on.
Note: The shift key is used when operating both the AV equipment and Z-Wave equipment.

2. Turns device for remote's current mode on or off.

3. **TV** — Selects TV mode.

4. **AUX** — Selects Auxiliary mode normally assigned to audio equipment.

5. **SAT/CBL** — Selects satellite or cable receiver and similar devices such as DVB-T, IPTV and so on.

6. **DVD** — Selects DVD player or other optical disc players such as Blue Ray and PVR.

7. Changes the volume level of the device.

8. Changes the channel up and down.

9. **AV** — Scrolls through AV modes while in TV mode.

10. **GUIDE** — Selects the Electronic Program Guide while in SAT/CBL mode also INFO when in shift mode.

11. **-/--** — -/-- also LAST in shift mode to return to the previous channel.

12. Toggles between TV and radio also HELP when in shift mode.

13. **MENU** — Menu, also EXIT when in shift mode.

14. Mute.

15. Return, Cancel or Exit.

16. Skip Backwards also Subtitle when in shift mode.

17. Skip Forwards also Aspect Ratio Control when in shift mode.

18. Rewind also Teletext Mix when in shift mode.

19. Fast forward also Teletext 100 when in shift mode.

20. Play also Teletext Off when in shift mode.

21. Stop also Teletext On when in shift mode.

22. Pause also Teletext Reduce when in shift mode.

23. Record also Picture-in-Picture toggle when in shift mode.

24. Favorites channel also ENTER when in shift mode.

25. Red button when in SAT/CBL and TV modes also hard drive menu for DVD-R when in shift mode.

26. Green button when in SAT/CBL and TV modes also disc menu for DVD when in shift mode.

27. Yellow button when in SAT/CBL and TV modes also zoom when in shift mode.

28. Blue Button when in SAT/CBL and TV modes.

29. 4 way directional pad for navigating menu's.

30. OK for selecting options in menu's.

31. Numeric numbers 0 to 9.

By entering Device Code

You may setup the Z-URC™ by following the code entering instructions.

1. Referring to the DEVICE CODE LIST, look up the 4-digit Device Code which corresponds to the brand of your A/V equipment. If there is more than one Device Code listed under your brand, start from the first code.
2. Press the desired Device Mode Key (e.g. TV).
3. Hold down "**CH +**" and "**VOL -**" on the Z-URC™ simultaneously for 3 seconds until the green indicator lights up.
4. Use the number keys "0" - "9" to enter your 4-digit Device Code. The indicator flashes twice then goes out.

Turn on your device (e.g. TV), then try the function keys on the Z-URC™. If your device (e.g. TV) responds to your activated function correctly, you have entered the right Device Code. Otherwise, repeat the above steps with the next available Device Codes until your device (e.g. TV) responds to your activated function, and most keys work correctly.

* Simply repeat the above procedures to enter the Device Codes for your SAT/CBL, DVD or AUX. (Remember to press the correct Device Mode Key in step 2 above)

> **Note:**
>
> If the red indicator flashes 6 times in step 4, a wrong Device Code has been entered. You are required to repeat step 2 to 4 again.
>
> Suggestion :
> - If you cannot find a correct Device Code for your equipment, see [SET UP THE Z-URC™ FOR AV EQUIPMENT] - By Searching Through the Library.
> - For future reference you are recommended to take note of your Devices codes in the space provided in the manual after setting up the Z-URC™ correctly.

By Searching Through the Library

If you cannot identify a correct Device Code for your equipment from the Device Code list, you may search for the code in the library:-

1. Turn on your device manually (e.g. TV).
2. Press a desired Device Mode Key (e.g. TV).
3. Hold down "**CH +**" and "**VOL -**" on the Z-URC™ simultaneously for 3 seconds until the indicator lights up.
4. Enter a corresponding Magic Search Code from the following table. The green indicator flashes twice then goes out.

Device to be searched from code library	Magic Search Code
TV	0001
VCR	0002
SAT	0003
CTV	0004
DVD	0005

(e.g. press "TV" device mode key, then press "**CH +**" and "**VOL -**", and enter TV Magic Search Code 0001.)

5. Press the same desired device mode key again as in step 2 above. (e.g. TV)
6. Hold down "**CH +**" & "**VOL -**" simultaneously for 3 seconds until the green indicator lights up, and your Z-URC™ is ready to start searching.
7. Aim the Z-URC™ at your device (e.g. TV), press the " ⏻ " key slowly and repeatedly until the device has been turned off.
   Once your device has been turned off, immediately press Device Mode Key (e.g. TV) to lock in code and the indicator should go out.

* Simply repeat the above setup procedures to search for the Device Code for your SAT/CBL, DVD or AUX. (Remember to press the correct Device Mode Key and correct Magic Search Code in step 2-5 above)

IMPORTANT:

- If the power on/off function of your device is not infra-red controlled, you need to follow steps 2 to 6 above and start searching:-

- Press " ⏻ " and another function key alternately until your device responds to the expected function, then press the same Device Mode Key (e.g. TV) to lock in the code.

  e.g. Press " ⏻ " & "**1**" alternately, or;
  Press " ⏻ " & "**▶**" alternately.

Note:

- TV, VCR, DVD, CTV and other device codes can be searched for and locked into any device modes. Simply press the corresponding device mode key in step 2 & 5 and enter an appropriate Magic Search Code for your DVD, CTV and other devices.

- Each time you press the " ⏻ ", the Z-URC™ will skip to the next code and send out a POWER signal trying to turn off your device.

  If you fail to stop pressing " ⏻ " when your device has been turned off, turn your device on again immediately. Before the green indicator goes out, press "▷ "on the Z-URC™ to skip backward. Repeat step 7 above and lock in the code.

- If the red indicator flashes six times after your pressing of " ⏻ " key, you are already at the last code of the library. Press "**CH +**" and "**VOL -**" to resume the Z-URC™ and repeat the above procedures carefully to search again.

By Learning Commands (only Z-URC™ 550)

Your Z-URC™ is equipped with learning capability. This allows you to "teach" your Z-URC™ certain functions from your original equipment remote. Please follow the steps below.

1. Press the desired device mode key (e.g. TV).
2. Hold down "**CH +**" and "**VOL -**" on the Z-URC™ simultaneously for 3 seconds until the green indicator lights up.
3. Enter the learning code "**0**", "**0**", "**0**", "**0**". The green indicator light will flash once then stay lit. The Z-URC™ is now ready to learn.
4. Place the Z-URC™ and your device remote on a flat surface, aimed at each other 1-3 inches apart.
5. Press a desired key once and release on the Z-URC™ which you want to learn the command. The green indicator will flash once then stay lit.

6. Press and keep holding the key on your original equipment remote which you want to learn for a few seconds.
7. When the green indicator light flashes twice and stays lit continuously, the command has been learned successfully and you can release the key on your original equipment remote. If the red indicator light flashes six times, it shows an error in the learning process. Adjust the position of both remotes and repeat from step 5 again.
8. Repeat from step 5 to learn other key functions, or press the same device mode key on step 1 (e.g.TV) to terminate the learning mode, the green indicator light will flash twice and then go out immediately.

Note:

- On step 5 if no key is selected for more that 8 seconds, the red indicator light will flash six times and the learning mode will exit automatically.
- On step 6, if no other remote signal is received for more than 8 seconds, the red indicator light flashes six times and stays lit continuously, you need to select a desired key again for learning as in step 5 on your Z-URC™.
- Each function key will hold one command only, a new command to be learned will automatically erase and replace the previous one.
- If the green indicator light flash six times during the transference of signals, the maximum 100 commands memory bank is full, press the same device key again to resume normal operation.
- All device mode keys, as well as the SHIFT keys cannot be used for learning functions.

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6 OPERATING THE Z-URC™ FOR AV EQUIPMENT

Normal Operation

Once you have set up the Z-URC™ for your A/V equipment, it works like your original remote control. To operate, just aim it at your equipment, press an appropriate device mode key and invoke the desired function by pressing a corresponding key on the Z-URC™. The green indicator turns on during signal transmission and as Confirmation of key touch.

Punch Through

Punch Through Channel

Punch through channel allows you to operate channel up and down without having to switch the device modes repeatedly even when your Z-URC™ is in other operating modes.

To activate the punch through channel setting:
1. Press desired Device Mode Key (e.g. TV).
2. Press and Hold "**CH +**" key.
3. While still holding the "**CH +**" key press desired Device Mode Key (e.g. SAT).
4. Release "**CH +**" and the green indicator flashes once, now by pressing the "**CH +**" key while in TV mode the remote will act as if pressing the "**CH +**" key in SAT mode.

To deactivate the punch through channel setting:
1. Press desired Device Mode Key (e.g. TV).
2. Press and Hold "**CH -**" key.
3. While still holding the "**CH -**" key press desired Device Mode Key (e.g. SAT).
4. Release "**CH -**" (the green indicator flashes twice if the setting is deactivated).

Punch Through Volume

Punch through volume allows you to operate volume up and down without having to switch the device modes repeatedly even when your Z-URC™ is in other operating modes.

To activate the punch through volume setting:
1. Press desired Device Mode Key (e.g. TV).
2. Press and Hold "**VOL +**" key.
3. While still holding the "**VOL +**" key press desired Device Mode Key (e.g. SAT).
4. Release "**VOL +**" and the green indicator flashes once, now by pressing the "**VOL +**" key while in TV mode the remote will act as if pressing the "**VOL +**" key in SAT mode.

To deactivate the punch through volume setting:
1. Press desired Device Mode Key (e.g. TV).
2. Press and Hold "**VOL -**" key.
3. While still holding the "**VOL -**" key press desired Device Mode Key (e.g. SAT).
4. Release "**VOL -**" (the green indicator flashes twice if the setting is deactivated).

Macro Power

Macro Power allows you to turn two of your A/V equipment on/off simultaneously.

To activate the macro power setting:
1. Press desired Device Mode Key (e.g. TV).
2. Press and Hold "⏻" key.
3. Press desired Device Mode Key (e.g. SAT).
4. Release "⏻" (the green indicator flashes once if the setting is activated).

To deactivate the macro power setting:
1. Press desired Device Mode Key (e.g. TV).
2. Press and Hold "⏻" key.
3. Press desired Device Mode Key (e.g. SAT).
4. Release "⏻" (the green indicator flashes twice if the setting is deactivated).

7   ADVANCED OPERATION FOR AV EQUIPMENT

Secondary Function

1. Some keys are able to access 2 functions through the use of the shift key.
2. To use a buttons secondary function, press the shift key then the next button pressed will perform its secondary function after which the buttons will return to their primary functions.
3. You can access the shift lock mode by pressing and holding the shift key for 3 seconds after which all buttons pressed will use their secondary function. Pressing the shift key again will end the shift lock.

IR Boost Mode (only Z-URC™ 550)

By activating the boost switch in the battery compartment your Z-URC™ will send out 3 IR beams instead of 1 IR beam. Effectively tripling the power of your IR signal.

Note: The range of your IR beam along with the angels will be increased but will also consume more power from the batteries.

Restore Factory Settings

1. Hold down "**CH +**" and "**VOL -**" keys on the remote simultaneously for 3 seconds until you the indicator lights up and stays lit.
2. Enter the reset code "**9**", "**9**", "**9**", "**9**". The indicator light goes out immediately. All settings are now restored to factory default setting.

8   MAINTENANCE

1. Do not expose your Z-URC™ to dust, strong sunlight, humidity, high temperatures or mechanical shocks.
2. Do not use old and new batteries together as old batteries tend to leak.
3. Do not use corrosive or abrasive cleansers on your Z-URC™.
4. Keep the unit dust free by wiping it with a soft, dry cloth.
5. Do not disassemble your Z-URC™, it contains no user-serviceable parts.

9   FREQUENTLY ASKED QUESTIONS

Universal remote control frequently asked questions

Q: My Z-URC™ does not work at all!

A: Check your A/V device, if the device's main switch is turned off, your Z-URC™ cannot operate your device.

A: Check whether your batteries are inserted properly and are in the correct +/- position.

A: Check whether you have pressed the corresponding device mode key for your device.

A: If the batteries are low, replace the batteries.

Q: If several Device Codes are listed under the brand of my A/V device, how can I select the correct Device Code?

A: To seek the correct Device Code for your A/V device, test the codes one by one until most keys work properly.

Q: My A/V equipment responds only to some of the commands.

A: You have set a code for which only some commands work properly but some do not. Try other codes until most keys work properly. You can also use the learning function to learn additional keys. (only Z-URC™ 550)

Z-Wave frequently asked questions

Q: Why won't my Z-URC™ work with the Z-Wave devices I purchased from another country?

A: Due to different countries regulations Z-Wave products from different regions are set to different frequencies. Before purchasing new devices make sure you have checked to see that the device is compatible in your region.

Q: Do I need an electrician to install Z-Wave products in my house?

A: Installation can be simple. In some cases all you need to do is attach the Z-Wave plug in module into the wall socket. For more advanced in-wall modules you may need this done by a qualified technician.

Q: What can the Remotec Z-URC™ do for me?

A: The Remote controller has the ability to control a combination of up to 232 different Z-Wave devices in 16 different groups or scenes around your house while also being a standard universal remote that can control 4 to 8 different AV equipments. Your Remotec Z-URC™ truly turns your living room into your whole houses control station.

Q: What kinds of devices can I control with my Z-URC™?

A: The Z-Wave range is expanding constantly and your Z-URC™ can control a number of devices such as light plugs, dimmer plugs and with a Z-Wave module you can control any device with an on off switch. You can also control curtains, thermostats and any Z-Wave device with a basic command class.

Q: Why do I need a different module for outdoor lighting?

A: The outdoor module is designed to withstand various weather conditions including heat, rain and snow.

Q: Can I use 2 or more Z-URC™ controllers in my house at one time?

A: You can use additional remotes around your house by assigning one remote to be the primary remote and have an additional secondary controller.

Q: If I lost my Z-URC™ will I also lose my settings?

A: Yes and no, if you lose your primary remote you will need to add all the Z-Wave devices to your new primary remote again. If you lost a secondary remote you can replicate all the Z-Wave set up information from your primary remote onto a new secondary remote. However, audio visual settings will be lost and can not be replicated such as TV and DVD settings.

Q: Where can I keep up to date with the latest Z-Wave products for my house?

A: You can keep up to date by visiting the www.remotec.com.hk website where we will have information and ideas for using Z-Wave technology.

Q: How do I know which product is compatible to my Remotec Z-URC™ remote?

A: You can check either the specifications in the manual of your remote or also check online at www.remotec.com.hk for a full list of products that can be used with your remote. All Z-Wave products also come with the Z-Wave logo.

SPEAKS Z-WAVE®

Q: Can the remote also operate Zigbee products?

A: The Z-URC™ remotes are currently not compatible with any Zigbee products.

10 SPECIFICATIONS

RF carrier frequency range .... 868.42MHz (EU)
Operating/learning IR frequency range .... Up to 455kHz
Learning Capability
(only Z-URC™ 550) .... MAX 100 commands
Dimensions (W x H x L) .... 60 x 240 x 29mm
Unit Weight (Exclude Batteries) 150g
Battery type .... AAA x 3pcs

AV devices programmed to your Z-URC™ (Shift mode only in Z-URC™ 550)			
TV	DVD	SAT/CBL	AUX
SHIFT + TV	SHIFT + DVD	SHIFT + SAT/CBL	SHIFT + AUX