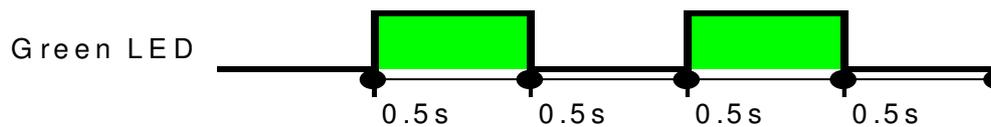


## 1.1 LED Action

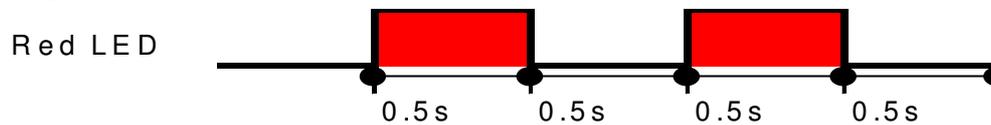
### Setup confirmation and error indication

Different colours will be for different operation status.

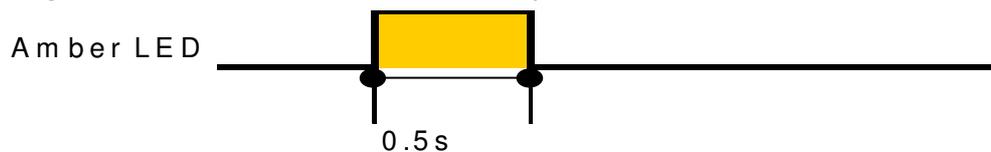
2 long blinks in Green for indication of successful operation



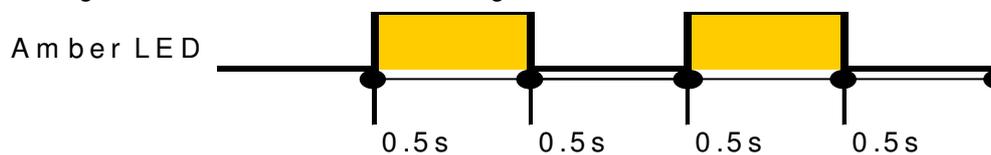
2 long blink in Red to indicate occurrence of error



1 long blink in Amber to indicate valid learn key selected

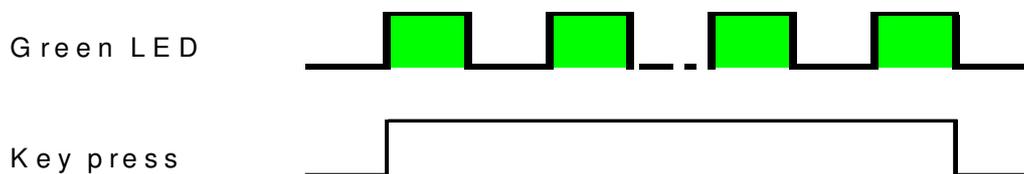


2 long blink in Amber to indicate entering learn mode



### Send code indicator

When a valid key is pressed, the remote control will send code, and the indicator LED will blink in green.



## Normal Mode

### 1.1.1.1 IR transmission indicator

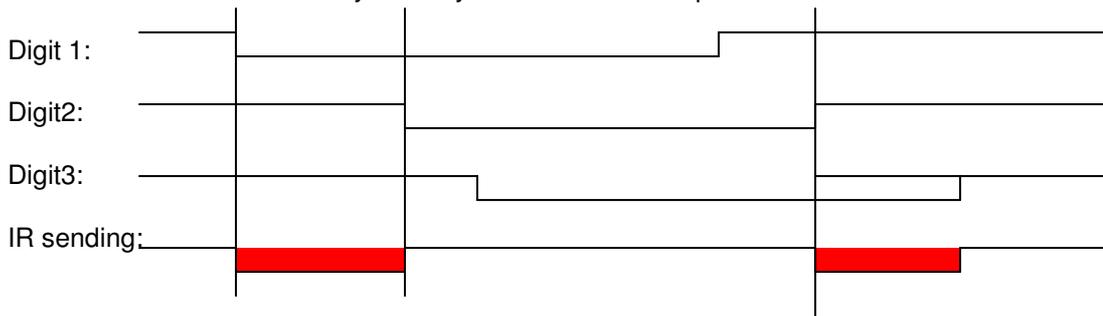
Whenever there is IR transmission, the Green LED will blink to indicate the IR transmission. See [Send code indicator](#) for the details

### 1.1.1.2 Backlight

When any key on the RC is pressed, the backlight will be switched on. The backlight will remain on as long as the key is pressed or till the stuck timeout, when all keys are released, the Backlight LED will wait 3s then turn off.

### 1.1.1.3 Key Rolling Rule

Whenever one function key is pressed down, IR code for this key is sending. If more than one button is pressed simultaneously, IR transmission will stop in order to conserve battery life. Then release the pressed keys one by one, there is no IR transmission until there is only one key is down. For example:



### 1.1.1.4 Handling of multiple keys

As stated above in Key Rolling Rule, generally, if more than one button is pressed simultaneously, IR transmission will stop in order to conserve battery life.

But if the following two buttons are pressed, IR transmission stops and RC will perform some special function (setting):

- “DVD” + “OK”: for 3 seconds, to Learn mode
- “DVD” + “RIGHT”: for 3 seconds, to erase a learned key
- “DVD” + “LEFT”: for 3 seconds, to reset the remote control to default command code
- “DVD” + Digit 1 ~ Digit 8: for 3 seconds, to set the addresses

For these two key combinations, the following rules are applied:

1. Whenever one or both of these 2 key combinations are pressed, backlight is turned on first.
2. If keys are held for 3 seconds, then backlight will turn off and keep off as long as the one of or both of the two keys are pressed down. Key rolling rule won't applied, which means there is no action unless all the two keys are released.
3. If keys are pressed and released within 3 seconds, remote control will treat this as normal key press and light up backlight as normal key press. Key rolling rule is applied.

## Low Voltage Detection

There is no low voltage detection.

## 1.2 Setup – ID Address setting

When the following combination keys are pressed, ID addresses will be set:

- 'DVD + 1' → set the RC6 Mode 6A for MCE address to be 1 (000B)
- 'DVD + 2' → set the RC6 Mode 6A for MCE address to be 2 (001B)
- 'DVD + 3' → set the RC6 Mode 6A for MCE address to be 3 (010B)
- 'DVD + 4' → set the RC6 Mode 6A for MCE address to be 4 (011B)
- 'DVD + 5' → set the RC6 Mode 6A for MCE address to be 5 (100B)
- 'DVD + 6' → set the RC6 Mode 6A for MCE address to be 6 (101B)
- 'DVD + 7' → set the RC6 Mode 6A for MCE address to be 7 (110B)
- 'DVD + 8' → set the RC6 Mode 6A for MCE address to be 8 (111B)

### LED Indicator

After each successful address change and saved into the non-volatile memory, the indicator LED of the RC will blink to indicate success.

If fail to save into the non-volatile memory, the indicator LED of the RC will blink to indicate fail. The address is still changed to the new address but it can't be remembered after the batteries are taken off.

Refer to section [Setup confirmation and error indication](#) for details about the LED indication.

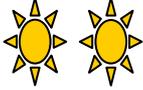
### Backlight action and key rolling

See 3.3.3.3 Handling of multiple keys

## 1.3 Setup – Learn Mode

During the learn process, if 3 seconds have elapsed between button presses, or any invalid key press, the LED will blink error and the remote will exit to normal mode.

After exit to normal mode from learn mode in any case, the backlight is off.

<p>1. Place the remote control head-to-head with original remote control. The distance between must be around 5cm to 7cm.</p>	
<p>2. To enter learn mode, press and hold “<b>DVD Menu</b>”(key 27) key and “<b>OK</b>” key (key 15) for 3 seconds until backlight turns off and indicator LED blinks 2 times in amber. Now the remote control is in learn mode (The behaviour of backlight and key rolling is same as described in section 3.3.3.3 Handling of multiple keys.)</p>	
<p>3. Select key to learn, “<b>TV power</b>” (key 1), “<b>Vol+</b>” (key 18) or “<b>Vol-</b>” (key 21). Amber indicator LED will blink once for 0.5 second to indicate key selection confirmation (This blinking pattern of indicator LED takes place upon key press, so user will be able to understand the meaning of blinking). After key selection, remote control is now ready to learn key. If more than 1 key is pressed or an invalid key is pressed or idle for 3 seconds, indicator LED will blink to indicate error. Blinking pattern is defined in section <a href="#">Setup confirmation and error indication</a>.</p>	
<p>4. After selection of valid key, there will be a timeout of 5 seconds, the indicator LED will remain on in Amber. If there is no IR code received within this 5 seconds, the learning mode will be aborted and return to normal mode. Indicator LED will blink to indicate error. Blinking pattern is defined in section <a href="#">Setup confirmation and error indication</a>.</p>	
<p>5. Press and hold key from original remote control make it send out IR for 2~5 seconds, don't move both remote control during learning, and the code received on target remote will be processed and learnt. The learnt code will overwrite selected key code. Indicator LED will blink to indicate result OK or Fail. If learning fail, key code will not be overwritten. Blinking pattern is defined in section <a href="#">Setup confirmation and error indication</a>.</p>	