

Unpacking your cabinet

- Carefully remove all loose packing materials from around the cabinet. Note that the remote control and power supply including the lead will be within the packaging. Also additional internal pieces may be supplied separately in boxes within this packaging.
- Lift out the cabinet from the bottom. **DO NOT LIFT THE CABINET BY THE DECORATIVE FINIAL**, this is attached to the lid which is not securely attached to the remainder of the cabinet.
- Release the securing tape holding the protective foam wrapping in place by hand, do not use a knife or scissors as these may scratch the cabinet. Now remove the foam protection from the outside of the cabinet.

DO NOT LIFT OR CARRY THE CABINET FROM THE TOP FINIAL AT ANY TIME



- Once the outer protection has been removed place your cabinet on a flat surface.
- While holding the bottom of the cabinet gently ease the top off by pulling the corners upward one at a time.



- Remove the top of your cabinet completely.
- Note the alignment stickers on the top of the cabinet and the underneath of the top.
- Ensure that the stickers align when replacing the top.

- To remove the acrylic dust protectors, apply a piece of insulation tape about 150mm long to the surface and pull upwards. Once the acrylic has appeared above the surface then the insulation tape can be removed and the acrylic pulled out from the top.
- Repeat for additional acrylic sheets.
- Do not try to push on the acrylic to remove it as this may damage the cabinet.
- Remove the protective foam pieces carefully from inside the cabinet. Do not force them out as this could damage the contents inside. Blowing will help get awkward pieces out.
- If there are any additional items shipped separately then place them inside the cabinet
- Clean the acrylic sheets with glass cleaner and replace them in the cabinet. These will prevent dust and other particles getting inside.
- Finally place the top back on ensuring that the stickers are aligned.



Instructions

Your Magical Miniatures cabinet is supplied with a power supply and remote control.

The input voltage of the power supply ranges from 100 to 240 volts, 50 to 60 cycles. The power supply comes with a U.K. Plug fitted to the lead. For countries outside of the U.K, it will be necessary to exchange this for a suitable plug. This should be carried out by a qualified electrician.

Only use the power adaptor which has been supplied by us. Alternative power supplies could damage the electronics within the cabinet.



Insert 2 x AAA batteries into the remote control if not already inserted.

Plug the 2.1mm power supply plug into the connector located at the back of the cabinet.



QUICK OPERATION

For your remote handset to operate correctly, it must be aimed at the inside of the cabinet when pressing buttons.

Your remote system has been programmed with suitable settings for the type of lights, fires etc. being used inside your cabinet.

After the power has been connected, the lights in the cabinet should illuminate and flicker (if they have been programmed as fires, oil lamps or candles). If they do not come on then press the corresponding number keys on the remote control.

Each light or fire is individually controlled and will correspond to a button on the remote control. For instance if your cabinet is fitted with 3 lights then pressing buttons **1**, **2** and **3** will turn them on or off.

Make a note of what each button operates in the table at the end of these instructions.

This is all that is necessary to operate your cabinet lighting and effects. Full instructions on the features and programming of the Microminiatures Remote Control System are on the following pages.

PROGRAMMING YOUR LIGHTS AND FIRES

Remote control Overview

Note, throughout these instructions the lights, fireplaces or oil lamps used in your cabinet will be collectively called “Outputs”.

Your cabinet is fitted with the Microminiatures MK-005 remote lighting controller. Although sophisticated it is exceptionally easy to program and operate using the remote control handset.

We have set up everything for you but should you wish to change our settings or you accidentally alter something then these instructions are provided to help you.

Each output operates independently and has been set to one of the following modes. The mode or the mode settings can be changed if desired.

- | | | |
|--------|--------|---|
| Mode 1 | Normal | This mode is intended to operate ordinary lights. The brightness of the lights can be varied from virtually off to fully on. |
| Mode 2 | Candle | The Candle mode simulates a burning candle or oil lamp. The output can be programmed to be virtually still up to emulating a candle in a draughty hallway. This mode has 24 different settings. |
| Mode 3 | Fire | Simulates a coal or wood fire, the output can be programmed from glowing embers through to a raging fire. There are 8 different settings for the fire mode. |

Each of the outputs can be combined into a single Group. This feature allows you to turn on or off predefined sets of outputs with a couple of key presses. For instance, you may wish to turn on 2 or 3 wall lights at the same time. These outputs can be combined into a Group and turned on or off together. You may have up to 10 independent Groups programmed with any of the outputs. All Outputs can be included in as many Groups as you wish. This function is really only useful for cabinets using more than a few lights or fires.

For further information see [Setting Up a Group of Outputs](#).

Note, throughout these instructions the term *Permanently Saved* will be used. This means that the settings will be saved and remain stored after power off. The settings can be changed again in the future if required. It does not mean that the settings cannot be altered again.

Your cabinet has 2 indicators to aid some of the programming features. These indicators are discreet and shine through a hole located at the bottom of the cabinet in the middle of one of the sides. So these lights can be seen easily, it is best to place a piece of white paper underneath where the indicators are located and program the unit in low light.

The blue indicator is the Program Mode Indicator, this is referred to as the PMI, the white indicator is the Current Status Indicator and will be referred to as the CSI.

These indicators are only required for more involved programming or until you become familiar with the operation.

Clearing all settings (System Reset)

Note, all current settings will be erased and set as below after performing a System Reset.

- All output modes are set to Normal mode.
- All outputs are set to maximum brightness.
- All outputs are turned off.
- All 10 groups of outputs are empty.

To clear all of your settings, proceed as follows.

- Step 1** Press and hold the **Com** key for approximately 1 second.
The CSI will flash twice then go off. The blue Program Mode Indicator (PMI) will turn on.
- Step 2** Press and hold the **Save** key for approximately 2 seconds.
The CSI will flash 8 times and the PMI will turn off.
System Reset is now complete and the unit will revert to normal operation. All outputs will be off.

Changing an Output Operating Mode

To change the mode of an output, follow these steps:-

Step 1 Press and hold the number key corresponding to the output to modify. After approximately 1 second the output will flash twice and the blue PMI will turn on, see Note 1. Release the output number key.

Step 2 Press the key corresponding to the mode required.

- 1** Normal Adjustable Brightness
- 2** Simulated Candle
- 3** Simulated Fire

The output selected in step 1 will flash 3 times.

Step 3 Press the **Plus (+)** key if the output is connected to a bulb. The output will flash 4 times.

or

Press the **Minus(-)** key if the output is connected to a LED. The output will flash 3 times.

Step 4 Press the **Com** key to use the selected mode, see note 2, the output will flash twice.

or

Press the **Save** key to permanently save the selected mode, see note 3, the output will flash 3 times.

or

Press the **Off** key to abandon all changes. The output will flash once.

Programming the Normal, Candle or Fire modes is now complete the blue PMI will turn off, the output will be turned on and the MK-005 will return to normal operation.

Setting Up a Group of Outputs

All outputs can be grouped together so that they may all be switched on or off at the same time. An example might be a pair of wall lights. Up to 10 individual groups can be programmed. This feature is really only applicable for cabinets using more than a few lights or fires.

To setup a group, follow these steps:-

Step 1 Press and hold the **Com** key for approximately 1 second. All of the outputs will turn off. The blue PMI will turn on, see Note 1.

Step 2 Press the key corresponding to the group to be programmed (Keys **1** to **10**). The CSI will flash once.

If the selected group has previously been programmed then the outputs will turn on or off as originally set. See note 9. The default factory settings for all groups is all outputs off.

Step 3 Toggle all required outputs on or off by pressing the corresponding output key (**1** to **24**).

Step 4 Press the **Com** key to use the settings but not permanently save them. The CSI will flash once.

or

Press the **Save** key to permanently store the settings, see note 3. The CSI will flash 3 times.

Step 5 Return to step 2 and select another group to program.

or

Press the **Off** key to exit. The Blue PMI will turn off and the MK-005 will return to normal operation.

Changing the Output Mode Settings

Once an output has been programmed with a mode then additional settings such as brightness, fire intensity etc. can be adjusted.

Note that the MK-005 only adjusts the setting associated with the programmed Mode of the Output. E.g. If an Output is programmed to simulate a fire (Mode 3) then the Fire Intensity is the only setting that can be adjusted.

The following explains how to adjust the settings of each mode.

Mode 1, Normal Output, Adjusting the Brightness

- Step 1 Press and release the **Com** key.
The blue PMI will turn on, see Note 1.
- Step 2 Press the number key corresponding to the Output to adjust. (The output must have been previously programmed in Mode 1).
The Output will flash twice and then return to its previous brightness.
- Step 3 Set the brightness level by pressing any of the number keys between **1** to **24** (1 = dimmest, 24 = brightest). Use the **Plus (+)** and **Minus (-)** keys to finely adjust the brightness. See Note 5.
- Step 4 When the brightness is set press the **Com** key to use the setting, see note 2. The output will flash twice.
or
Press the **Save** key to permanently save the new brightness level. See Note 3. The Output will flash 3 times
Programming the brightness is now complete, the blue PMI will turn off and the MK-005 will return to normal operation.

Mode 2, Simulated Candle, Adjusting the Flicker Rate

- Step 1 Press and release the **Com** key.
The blue PMI will turn on, see Note 1.
- Step 2 Press the corresponding number key of the Output to adjust. (The output must have been previously programmed in Mode 2).
The Output will flash twice and then return to its previous flicker rate.
- Step 3 Use the number keys between **1** and **24** to set the required flicker rate. (1 = virtually still, 24 = in a draughty room). The output will change to reflect the new setting. You may also use the **Plus (+)** and **Minus (-)** keys to step through the ranges. See Note 5.
- Step 4 When the desired flicker rate is set press the **Com** key to use the setting, see note 2. The output will flash twice.
or
Press the **Save** key to permanently save the new flicker rate. See note 3. The Output will flash 3 times
Programming the flicker rate is now complete, the blue PMI will turn off and the MK-005 will return to normal operation.

Mode 3, Simulated Fire, Adjusting the Intensity

- Step 1 Press and release the **Com** key.
The blue PMI will turn on, see Note 1.
- Step 2 Press the corresponding number key of the Output to adjust. (The output must have been previously programmed in Mode 3).
The Output will flash twice and then return to its previous flicker rate.
- Step 3 Use the number keys between **1** and **8** to set the required fire intensity. (1 = glowing embers, 8 = roaring fire). The output will change to reflect the new setting. You may also use the **Plus (+)** and **Minus (-)** keys to step through the ranges. See Note 5.
- Step 4 When the desired intensity is set press the **Com** key to use the setting, see note 2. The output will flash twice.
or
Press the **Save** key to permanently save the new flicker rate. See note 3. The Output will flash 3 times.
Programming the flicker rate is now complete, the blue PMI will turn off and the MK-005 will return to normal operation.

OPERATING THE MK-005

Remote Key Functions

When the MK-005 is not in programming mode, the remote control keys are used to operate the outputs individually or as a group. The current settings can also be saved and the various programming modes entered.

Single Key Operations

- 1 to 24** Keys **1** to **24** toggle the corresponding output on or off. Press and release the key once to turn the output on, press and release the key again to turn the output off. Keys referring to non used outputs will be ignored.
- Off** All of the outputs can be turned off by pressing and releasing the **Off** key.
- On** Pressing and releasing the **On** key will restore all of the outputs to their previous state prior to pressing the **Off** key.
Pressing and holding the **On** key for approximately 1 second will turn all outputs on.
- Save** To store all of the current settings, press and hold the **Save** key for approximately 1 second. The CSI will flash 3 times to confirm, release the **Save** key.
All of the settings for all of the outputs including the on/off status will be stored.

Turning a Group of Outputs on

Once one or more of the 10 Groups have been programmed then the whole group of outputs can be switched on in a couple of key presses. To turn on a Group, proceed as follows:-

- Step 1** Press and release the **Plus (+)** key. See Note 1. The Blue PMI will turn on
- Step 2** Press the number key (**1** to **10**) corresponding to the Group of outputs to turn on. The selected Group outputs will turn on. The Blue PMI will turn off and the unit will return to normal operation.
or
Press the **Off** key to Cancel the operation. The blue PMI will turn off and the unit will return to normal operation.

Turning a Group of Outputs off

To turn off a group of outputs, proceed as follows.

- Step 1** Press and release the **Minus (-)** key. See Note 1. The Blue PMI will turn on
- Step 2** Press the number key (**1** to **10**) corresponding to the Group of outputs to turn off. The selected Group outputs will turn off. The Blue PMI will turn off and the unit will return to normal operation.
or
Press the **Off** key to Cancel the operation. The blue PMI will turn off and the unit will return to normal operation.

NOTES

- Note 1** From this point onward, the programming mode can be cancelled by pressing the **Off** key. All settings will be restored to their previous values, the output will flash once and the blue PMI will turn off.
- Note 2** All outputs will revert back to the last saved settings when the unit is powered off.
- Note 3** All of the output settings will be retained after powering off the MK-005 but can be changed again in the future if required.
- Note 4** Only the outputs which were on prior to the **Off** key being pressed will be switched back on. Outputs which have been switched on after pressing the **Off** key will remain on.
- Note 5** The setting may be adjusted by using either the number keys (**1** to **24**) or the **Plus (+)** and **Minus (-)** keys or a combination of the two. Pressing and holding either of the **Plus (+)** or **Minus (-)** keys will rapidly alter the setting. The output will adjust immediately to reflect the change.

PROGRAMMED OUTPUTS AND GROUPS

Use this chart to record your programmed output and group settings

OUTPUTS	
Output	Details
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	

GROUPS	
Group	Details
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	