

Product Description

Create amazing displays by selecting from a number of patterns, shapes, and colours and speeds each paired to sound effects. The panel is packed with sound effects and music which makes for a truly exciting multi-sensory experience. With a huge range of effects to choose from! Allows supervisors to match activity to need.

User Benefits

This activity fosters engagement and interaction, encouraging participants to develop social skills and enjoy collaborative play. It enhances memory skills by challenging players to recall and match items, boosting cognitive function. The task also improves hand-eye coordination as participants handle objects with precision, refining their motor skills. Additionally, it supports colour recognition, helping individuals identify and differentiate hues, which is crucial for visual development. Lastly, it introduces the concept of cause and effect, allowing players to understand how their actions lead to specific outcomes, fostering critical thinking and problem-solving abilities.

Product Compatibility

- 20848 / 21098 Sensory Magic® 2 Panel / Sensory Magic® 2 Portable
- 23717 / 23725 Sensory Magic® 3 Compact / Sensory Magic® Compact Plus
- 19847 Deluxe 8 Colour Wirefree Controller
- 21006 8-Colour Wirefree Switch
- 18870 Talking Cube
- 20402 Mini Talking Cube
- 24515 Colour Command Centre™
- 21918 Wi-Fi Override Transmitter
- 21728 Wi-Fi App Control Box
- 22867 Wireless Colour Controller Cushion Wall Mat
- 22716 Wi-Fi Colour Control Bumpas – set of 8

Included Parts

- 1x Fireworks Extravaganza™ Panel
- 2x Wall Mounting Bracket
- 4x M4 Screws
- 1x UK Mains Lead
- 1x US Mains Lead
- 1x EU Mains Lead
- 1x Mounting Template (for use during installation)

Technical Specification**Weight**

13.5kg [30lbs]

Dimensions

115H x 67W x 10cm [26-3/8W x 4D x 45-1/4H in]

Input

100-240V 50/60Hz

Output

5V DC 10A

Shell material

ABS (Phthalate-Free)

Operation

- The Panel must always be used under supervision.
- Do not strike the panel. The panel is built robustly, but intentional misuse will shorten its lifespan.

- Do not open, dismantle, or attempt to repair the panel yourself. This may cause injury and will invalidate the warranty.
- Disconnect any cables when installing or moving the product. Pulling of the cables can cause premature wear or damage to the product and/or accessories.
- If the product generates abnormal sounds, a burning smell, or smoke, disconnect immediately and contact Rompa® customer services.
- Do not press and hold the panel push buttons for durations of longer than a minute. Over time this may reduce the life expectancy of the product.

Care and maintenance

To prolong the product life, please read the following instructions when installing and operating this panel:

- When installing please ensure to keep the layer of protective film on the screen until the whole panel is fully mounted and is ready for use.
- Ensure no sharp tools or objects are near to the touchscreen or other screens on the panel.
- Rompa® recommends using a soft microfibre cloth for cleaning and dusting. Doing so optimises the finish and will prevent scratches onto the screen.
- Slight dampening of the cloth, or use of isopropyl alcohol is recommended for more stubborn stains. Ensure the panel does not become wet.
- Particular care should be taken around apertures in the chassis and any electronics (touch screen, power button, illuminated push buttons, external switch jacks and microphone input jack).
- Avoid food or drinks near the panel.
- Do not attempt to physically damage the product including the electronics, screen and buttons.
- Ensure loose wires are out of sight.
- At the end of the product's life, please dispose of it ethically. Recycle wherever local facilities exist.

External Features

1. Power Button
2. Speaker
3. SD Card Slot
4. Touch Screen
5. Mounting Screws
6. External Switch Input*
7. Illuminated Push Buttons*
8. Microphone Input*
9. Cable Cutout
10. Wall Mounting Bracket
11. Cable Clamp
12. Power In
13. Floor Pad In*
14. Cable Cutout

*Varies depending on model

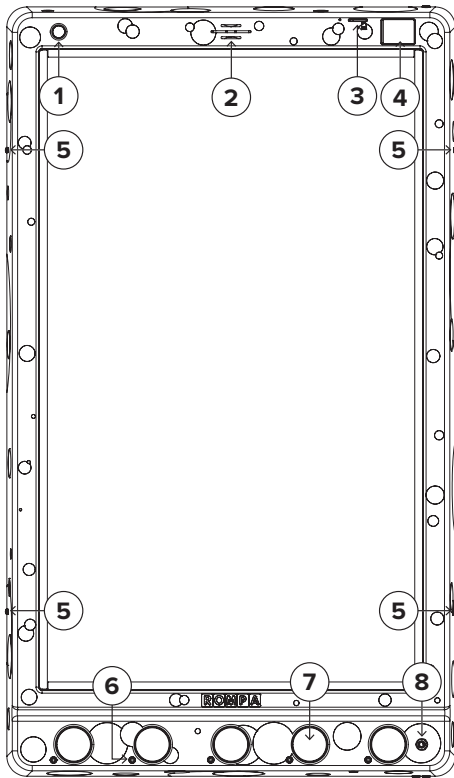
INSTRUCTIONS

24513 MULTIFINITY EXPLORER

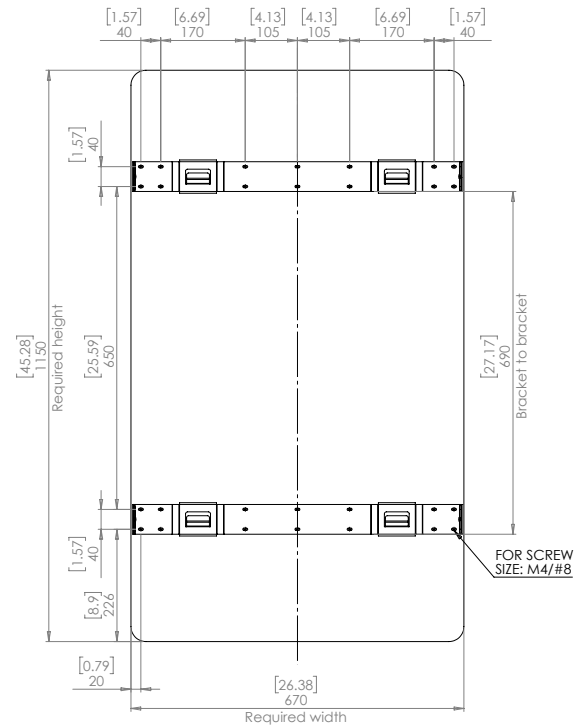


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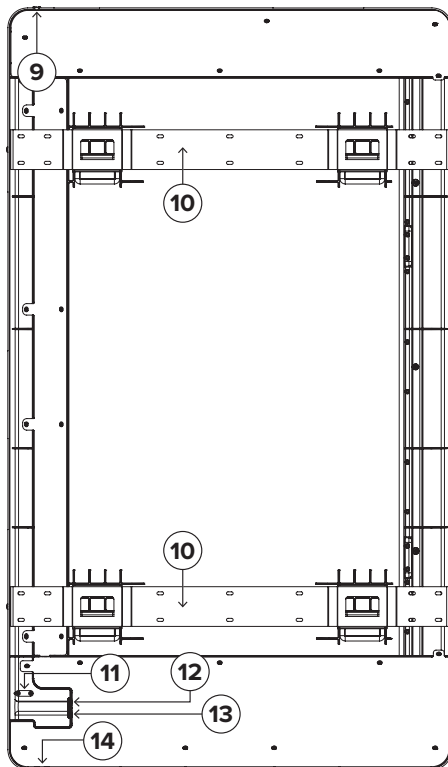
Panel Overview (Front)



Mounting Dimensions mm [in]



Panel Overview (Rear)

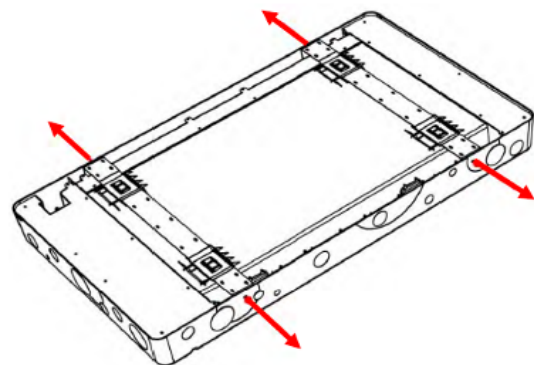


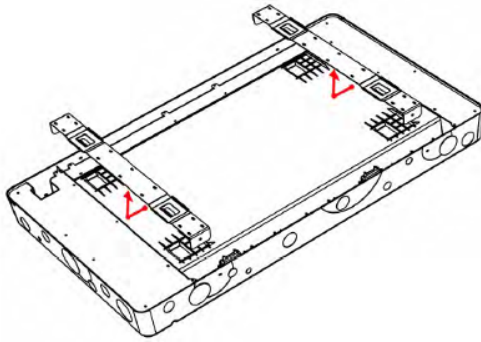
Installing Wall Bracket & Panel

Ensure that after installation the mains plug and/or power switch for the panel is easily accessible to facilitate power removal. Due to the product's size, it is recommended that two people install it.

Recommended tools

- Drill
- Spirit level
- Pencil
- Tape measure
- Appropriate fixings (e.g., screws, wall plugs, etc.)





1. Prepare a soft, padded, level surface, such as a quilt or rug. Carefully lay the panel face down.
2. The wall brackets are secured from the factory to prevent damage during transit. Locate and remove the 4x M4 screws on the sides of the panel (as per the arrows above) securing the 2x brackets in place. Place the screws in a safe place, as they will be required later.
3. Remove both brackets from the panel by sliding them down and lifting them out. Place the brackets safely to one side, as they will be required later.
4. Unfold the paper mounting template. This 1-1 scale drawing is an accurate mounting guide. Position and affix it to the wall in the desired location, ensuring it is completely flat and level. If you use a tape, such as masking / painter's tape, please ensure it will not damage your wall. Once in place, this guide shows you where you will need to mount the brackets relative to the unit, and where you will need to drill into the wall. You can use it to mark the wall, or you can drill directly through the template. Once you have completed this task, we recommend that you carefully refold the paper template and retain it for future reference.
5. If you don't wish to use the paper template, the graphic on the previous page shows the exact measurements you will need.
6. Secure both brackets to the wall according to the marks on the paper template. Please note that fasteners are not supplied and must be purchased separately. Please ensure the correct fasteners are used dependant on the construction of the wall. Due to the wide range of wall construction types, we recommend consulting a skilled professional to identify the best type of fixing for each installation.
7. Clean the wall and brackets of any dust and debris which may have been created during mounting. They will be inaccessible once you move beyond this step.
8. With the panel still laying face down, plug in the power cable and any other controller cables, route them through the power cable clamp and power cable cut out. Tighten up the cable clamp to secure the cables.
9. With the help of an assistant, carefully lift the panel and locate it on the wall brackets. To do this, have the panel slightly higher than its final resting position. Ensure the trailing cables remain clear of any obstruction during the lift. When you feel the panel has located into the bracket, gradually lower the panel into position. Once correctly in position, the panel will hang from the brackets under its own weight. It will sit flush against the wall, and the brackets will now be fully concealed. Check the cables are not caught up behind the panel.
10. Reinstall the 4x M4 screws into the mounting bracket holes on the sides of the unit, to prevent the panel being lifted off the brackets. It will now be firmly in place.
11. Plan your cable routing so as not to cause a hazard. It is advisable to conceal any cable to protect it from

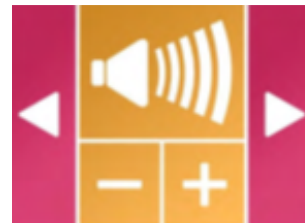
damage, e.g. using conduit. Consult a qualified electrician if you are unsure of best practice.

12. Your panel is now ready to be connected and switched on.

Troubleshooting

No Sound or Low Volume

- Ensure volume is on and turned up to a sufficient level via the touch screen.
- To do this press use the arrows on the touch screen to navigate to the sound menu, select the '+' icon to increase the volume.
- The speaker icon is turned all the way up when the icon looks the same as it is seen below:



- If this still doesn't improve there being no sound or the sound not being loud enough, try the following steps:
- Turn the panel off and wait 10 seconds.
- Turn the panel back on.

This will reset the panel settings and revert the sound to volume 2 and Sound Effects set to on.

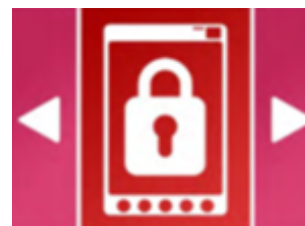
Frozen or Unresponsive

- Turn the panel off and wait 10 seconds.
- Turn the panel back on. This will reset the panel and revert the 1st mode shown on Touch Screen.

Push Button(s) Unresponsive

Ensure panel buttons are not locked via the touch screen.

To do this press the arrows on the touch screen until you are on the panel lock menu:



- Pressing the red lock button will lock and unlock the illuminated push buttons.
- When locked (as seen in the image above) the push buttons will dim and be unresponsive.

External Switch Unresponsive

- Ensure the switch inlet is clear of any dust or debris.
- Ensure the switch is fully inserted into the inlet.
- Ensure panel buttons are not locked via the touch screen.
- Turn the panel off and wait 10 seconds.
- Turn the panel back on. This will reset the panel settings and revert the panel buttons to unlock.

No Power

- Ensure the mains power is disconnected from the panel before then checking the IEC power cable (kettle lead) is connected into the bottom of the panel and is fully inserted into the panel.
- Then turn the mains back on.
- If the IEC cable is securely in place and there is still no power to the panel, then ensure that the plug fuse has not blown and replace if required.

If troubleshooting does not solve the issue, please contact Rompa® Customer Services. +44 (0) 1246 211 777

Modes Overview

The mode controls how the panel behaves. The Multifinity Explorer™ Panel has 3 modes which can be selected via the touchscreen and an additional mode when one or two microphones are plugged into the ¼”/6.35mm microphone input.

Mode 1: Interactive

The panel does not change current shape, pattern, colour or speed unless told to do so via the illuminated push buttons. Mode 1 is the default mode that the panel will be on every time it is powered on.

Mode 2: Relax (Passive)

The panel scrolls through shapes, patterns and colours. These changes to the colours, patterns, and shapes occur automatically when there is no activity. For example, the panel automatically cycles the colour of the shape that was last set after 1 minute of inactivity.

Mode 3: Music and Sound Effects

Music and sound effects are paired with each pattern for a more stimulating multisensory experience. There are 6 sound effects/music for each of the 6 patterns. The other functions work as Mode 1: Interactive.

Microphone Mode

This mode cannot be accessed via the touch screen. To access this mode, plug a microphone into the ¼”/6.35mm microphone input on the front of the panel. The panel will automatically change to microphone mode once a microphone has been detected. The mode and brightness of the panel cannot be adjusted via the touchscreen whilst a microphone is plugged in.

The brightness of the panel is controlled by the volume of sounds made. The louder the sound the brighter the panel will go. The panel also detects sounds via its on-board microphone, so sounds do not have to be made directly into the microphone. This allows multiple users to play simultaneously.

Touch Screen

The touch screen is intended for the supervisor of the session not the primary user of the panel. The touch screen allows you to control in detail how the panel behaves as well as view statistics of panel usage.

Upon powering the panel on the settings will always revert to their defaults, these default settings are as follows:

Mode 1: Interactive

- Volume: 2
- Touch Screen Brightness: 100%
- Panel Brightness: 100%
- Sound Effects: On
- Wi-Fi: On

- Lock: Off

Please note that any settings you configure differently from the defaults outlined will reset to those defaults when the panel is powered off and on again.



Mode

Press the light blue mode button to cycle through the modes of the panel.

Press the forward or back arrows either side of the centre of the touchscreen to cycle through the other menu options.

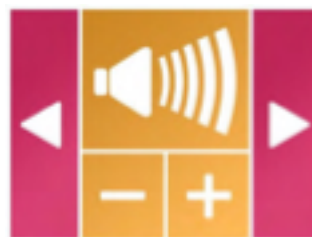


Media*

Press the 'play/ pause' button to play or pause music. Press the 'skip forward' to play the next track or 'skip back' to play the previous.

Press the forward or back arrows either side of the centre of the touchscreen to cycle through the other menu options.

* This functionality is only available when an SD card has been inserted in the panel's SD card slot.



Volume

Pressing the '+' will increase the volume and pressing '-' will reduce the volume.

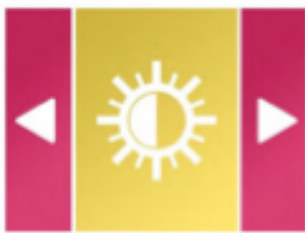
Press the forward or back arrows either side of the centre of the touchscreen to cycle through the other menu options.



Sound Effects

Sound effect refers to the sounds made when the user activates the illuminated push buttons. Press the musical note symbol to disable sound effects and press it again to enable sound effects.

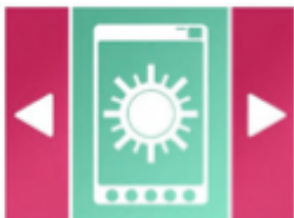
Press the forward or back arrows either side of the centre of the touchscreen to cycle through the other menu options.



Touch Screen Brightness

Pressing the icon on this screen will cycle the panel through 3 levels of brightness on the touchscreen. You can increase or decrease the touchscreen backlighting using this screen. This does not change the brightness of the LEDs in the body of the panel. Please see the panel brightness screen for adjusting panel LED brightness.

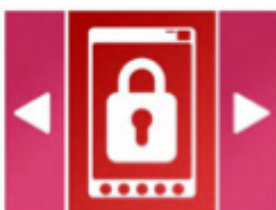
Press the forward or back arrows either side of the centre of the touchscreen to cycle through the other menu options.



Panel Brightness

Pressing the icon on this screen will cycle the LEDs in the body of the panel through 6 different brightness settings. This is different from changing the touchscreen brightness, as this setting only adjusts the brightness of the LEDs that create the effects.

Press the forward or back arrows either side of the centre of the touchscreen to cycle through the other menu options.



Lock

Pressing the red lock button will lock and unlock the illuminated push buttons. Press the panel icon to lock the buttons. When locked the push buttons will dim and be unresponsive. Press the panel icon again to unlock the buttons, you will then be able to use the push buttons on the panel.

Press the forward or back arrows either side of the centre of the touchscreen to cycle through the other menu options.



Wireless

Pressing the purple wireless button will toggle the panel wireless on or off. Press the wireless icon to turn the wireless capability on or off. With wireless turned on the panel will respond to other Rompa® compatible wireless products. With wireless turned off the panel will ignore Rompa® compatible wireless products.

Press the forward or back arrows either side of the centre of the touchscreen to cycle through the other menu options.

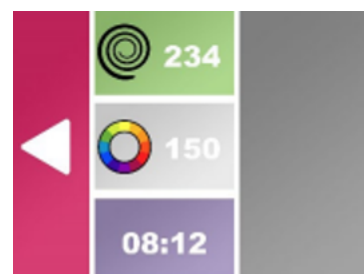


Stats

Pressing the blue stats button will open the stats screen.

From the stats screen you can see in real time the amount of button presses that have been made on the panel and the duration the panel has been used for.

To return to the main menu press the Red backward button. Powering off the panel will reset the previously recorded stats.



Press the forward or back arrows either side of the centre of the touchscreen to cycle through the other menu options.

Illuminated Push Buttons

The Multifinity Explorer™ Panel has 5 illuminated push buttons so the user can control the visual and audio effects the panel produces.

When pressed each button will flash and a unique sound effect will be triggered. Sound effects can be turned off via the touch screen. Illuminated buttons can also be locked via the touch screen if required. If the buttons are locked the brightness of the illuminated buttons is reduced.



Shape

The panel has 8 shapes which can be selected via the 'Shape' illuminated push button or an external switch plugged into the 'Shape' ¼"/6.35mm input jack.



Pattern

The panel has 6 patterns which can be selected via the 'Pattern' illuminated push button or an external switch plugged into the 'Pattern' ¼"/6.35mm input jack.



Colour

The panel has 11 colours which can be selected via the 'Colour' illuminated push button or an external switch plugged into the 'Colour' ¼"/6.35mm input jack.



Play/Pause

The panel has can be paused or resumed via the 'Play/ Pause' illuminated push button or an external switch plugged into the 'Play/ Pause' ¼"/6.35mm input jack. A different sound effect is associated with play and pause.



Speed

The panel has 3 speeds which can be selected via the 'Speed' illuminated push button or an external switch plugged into the 'Speed' ¼"/6.35mm input jack. A different sound effect is associated with slow, medium and fast.

External Switches

The panel has 5 external switch inputs each located underneath their associated illuminated push button. To connect the external switch simply plug into the ¼"/6.35mm jack and remove when finished (external switches without a ¼"/6.35mm jack may need an adapter fitting).

Microphone Input

The panel has 1 microphone input. To use a microphone with the panel simply plug a microphone into the ¼"/6.35mm jack located in the bottom right of the panel. When the microphone is inserted, the panel will automatically detect its presence and turn to 'Microphone Mode'. The panel also acts as a karaoke and sounds spoken through the microphone can be heard through the integrated speaker. Simply remove the microphone from the panel when finished and the panel will automatically revert back to its previous mode.

Shapes & Patterns

There are 8 shapes and 6 patterns to choose from.

Shapes are different to the 6 patterns in that the shapes are LEDs that illuminate to form solid shapes and patterns are the various ways those LEDs display those shapes, such as Slow Fade, Sparkling, Looping etc. For example, you could have rectangle shape with the Slow Fade pattern.

Shapes

The Multifinity Explorer™ panel has 8 shapes which can be selected via the 'shape' illuminated push button or an external switch plugged into the 'shape' input jack.

The shapes available:



Infinity



Lower Circle



Upper Circle



Rectangle



Hourglass (double triangle)



Upper Triangle



Lower Triangle



Scattered

Patterns

The patterns available:

No Pattern

All LEDs are illuminated with no change. *When 'Scattered' shape is selected panel will hard transition through random arrays.

Slow Fade

All LEDs will fade in and out. *When 'Scattered' shape is selected panel will fade out and then fade in through random arrays.

Sparkling

Random pixels fade in and out to create a magical sparkling effect.

Looping

6 LEDs loop around the selected shape. 3 LEDs travel clockwise and 3 LEDs travel counterclockwise. * When 'Scattered' shape is selected, the panel LEDs will illuminate from the centre of the panel until all LEDs are illuminated. Once complete LEDs will extinguish from the centre until all LEDs are extinguished.

Rotating

Shapes appear to be rotating by alternate LEDs travelling around the shape's circumference. * When 'Scattered' shape is selected panel LEDs will illuminate from the outside of the panel to the centre of the panel until all LEDs are illuminated. Once complete LEDs will extinguish from the outside until all LEDs are extinguished.

Snake

LEDs (or a snake) loop around the selected shape 'eating' other LEDs along the way. Each LED 'eaten' make the snake longer. This continues until the shape is filled. Once the shape is filled all the LEDs extinguish one at a time. * When 'Scattered' shape is selected a multi-direction falling stars pattern can be seen instead. LEDs appear to shoot across the panel in multiple directions.

Colour

1. Multi-Coloured (LEDs are multi-coloured)
2. All Colours Soft Fade (LEDs transition through colours)
3. All Colours Hard Fade (LEDs hard transition through colours)
4. Red
5. Green
6. Blue
7. Yellow
8. Orange
9. Pink
10. Purple
11. White

Rompa® Wireless Operation

The Multifinity Explorer™ Panel is compatible with a range of Rompa® wireless products, see Compatible Rompa® Products listed earlier in this manual.

8 Colour Wirefree Controller: Deluxe 8 Colour Wirefree Controller (19847) & 8 Colour Wirefree Switch (21006)

When pressing the different colour buttons on either the Deluxe or Simple wirefree switch the Multifinity Explorer™ panel will change to the colour that has been selected on the remote. The panel will remain the selected colour for 1 minute if there has been no further colour selected. After 1 minute of receiving a colour change the panel will enter passive mode where it continues cycling through colours and patterns after 1 minute until another colour command is received by the panel.

Pressing the central 'function button' on both the Deluxe 8 Colour Wirefree Controller & 8 Colour Wirefree Switch produces the same response from the panel as pressing the pattern button directly on the panel. Pressing the function button located in the centre of the 8-button controller multiple times on a Rompa® 8-button wireless controller allows the user to cycle through all 6 of the panel's patterns.