

Instructions



Mike Ayres Design

Switch2 Universal Transmitter

Product code 1205-063
(for 433 frequency equipment)



1 Introduction

The Universal Transmitter can be used with any Mike Ayres Design **Radio Remote** Switch2 Control Unit or Point, including ones built into portable or fixed equipment, it can also be used with any equipment with a Switch4 controller.

It enables you to operate any mains powered equipment in any of the modes on the Switch2 Control Unit in the same way as a manual one, with the following advantages:

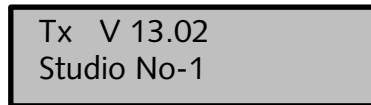
- You can switch any equipment from anywhere in the room (up to 20 metres away).
- There is no wire or physical connection between the switch and the equipment.

Other features

- You don't have to point the transmitter at the equipment. Walls or obstacles in the line of transmission do not affect it.
- You can activate up to 99 individual pieces of equipment with any one transmitter.
- Any number of transmitters and switches can be used at once to activate any number of pieces of equipment.

2 Switching on and using with any Switch2 Control Unit

Plug any Mike Ayres Design switch or other zero voltage, normally open switch into the large or small jack sockets at the end of the transmitter. This will switch the transmitter **ON** The display will show

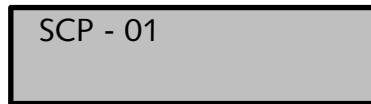


Tx V 13.02
Studio No-1

for about 1 second

Note: the version number (V 11.02) will change when internal software is updated.

...and then change to:



SCP - 01

...or whatever channel or piece of equipment it was last set to.

To change channels touch the ▲Up or ▼Down keys until it displays the one you want to use. - It is automatically ready to use

You can change switches, channels and equipment at any time.

The transmitter will work in any mode in which you set the switch2 control unit

Activate the switch

A star will appear in the corner of the display when you activate the switch (indicating that it is transmitting).



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3 Using with any equipment with a dedicated Switch2 Controller

Including: Switch4 Bubble Tubes
Switch4 Fibre Optic Units
LED Lights with Controllers
LED Colour Wash Lights
Moving Light Scanner (needs the MLS Rollerball or Joystick).
...and an increasing range of other equipment.

Plug a single switch into one of the sockets and the Transmitter will turn on.

When you scroll with the ▲Up and ▼Down keys each piece of equipment will be displayed, such as:

BubbleTube – 1
Step Colour

If you touch the ▶◀Enter key the display will then show:

BubbleTube – 1
Bubbles

Touch the ▶◀Enter key again and it will show:

BubbleTube – 1
Blue

... and so on, stepping through the eight colours and back to Step Colour again.

- Whatever is displayed on the screen is the function of the switch, (you do not have to do anything to confirm your action).
- If the display shows 'Bubbles' the switch will activate the bubbles and if it shows 'Blue' it will activate the blue lights, and so on.
- The function of the switch can be changed at any time, whilst you are using the transmitter.
- A number of single switches and Transmitters can be set to the same piece of equipment and each have a different function, e.g. one user can switch the bubbles and another be stepping through the colours at the same time.

4 Battery

The Universal transmitter is powered by a **9 volt / PP3 battery** contained within the battery compartment in the back of the Transmitter. This will need replacing occasionally. (Always use good quality batteries).

When the battery is low the display will show:

Replace
Battery

...or will not illuminate at all.

The Transmitter will not work in either case.

Do not leave a flat corroded or leaking battery in the compartment, it may damage the transmitter.

5 IMPORTANT

Remove the switch when the Transmitter is not in use. If this is not done the battery will drain within a few days. Depending on frequency of use and the type of switch used, the battery life expectancy is normally about 150 hours.

6 Advanced Programming (Not needed for everyday use).

To activate the menu that **adds** or **removes** equipment to the menu on the Transmitter:

Plug a switch in to turn the Transmitter **ON**.

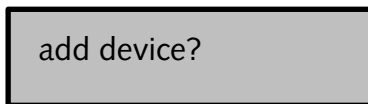
Touch the ►◀Enter and ▼Down keys at the same time for 3 or 4 seconds.

The display will show:



setup

Then:



add device?

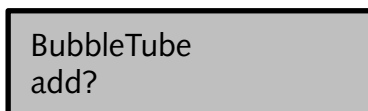
Touch the ►◀Enter key and the display will show:



SCP
add?

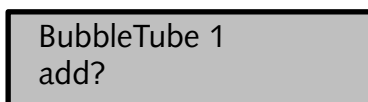
Scroll the ▲Up and ▼Down keys until you find the piece of equipment that you want to add and then touch the ►◀Enter key.

The display will show:



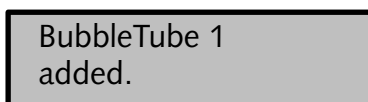
BubbleTube
add?

Touch the ►◀Enter key and the display will show:



BubbleTube 1
add?

Touch the ►◀Enter key again and the display will show:



BubbleTube 1
added.

It will then change to show the next piece of equipment to add. If you don't want to add anything else to the menu just leave it for about 5 seconds and it will exit the Setup programme and be ready for you to use in it's normal mode.

To remove equipment from the menu, enter the setup programme as instructed above and when the display shows:

A rectangular box with a black border containing the text "add device?".

Touch the ▲Up key and the display will change to:

A rectangular box with a black border containing the text "erase device?".

Touch the ►◀Enter key and the display shows:

A rectangular box with a black border containing the text "SCP erase?".

You then go through the same procedure as before, following the prompts on the display.

There is also a choice to Edit the Studio Number. This should only be used if you have more than one environment with the same items of Mike Ayres Design equipment within the same building. It allows you to allocate a studio number to an environment or group of items of equipment. This will eliminate the possibility of Transmitters in one environment 'switching' equipment in another environment. It is possible to have up to 4 studios.

Note: The equipment will also need to be set to the corresponding Studio number (see specific equipment instructions to do this).

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