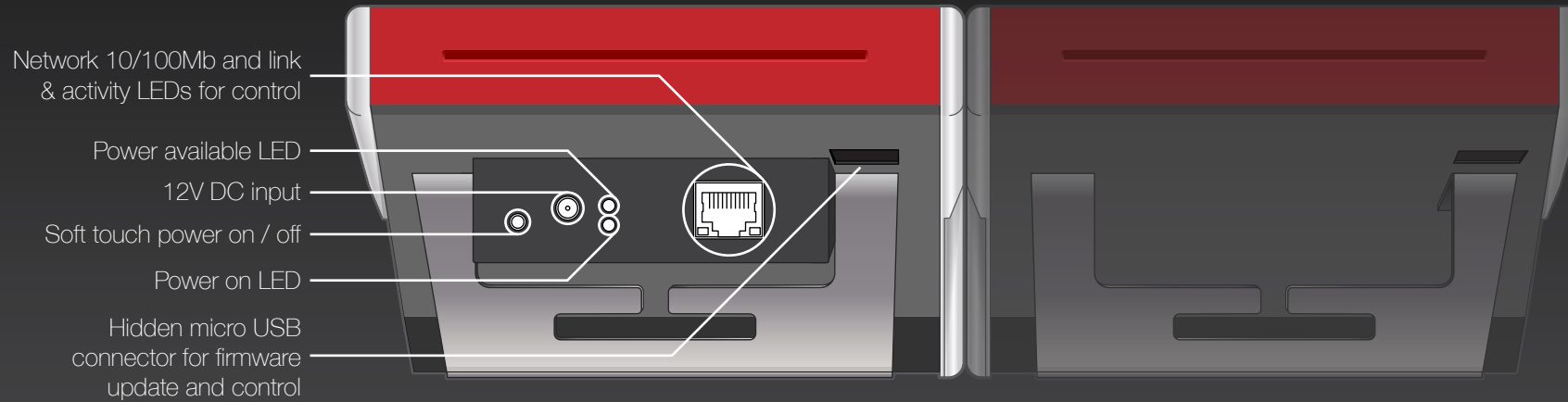


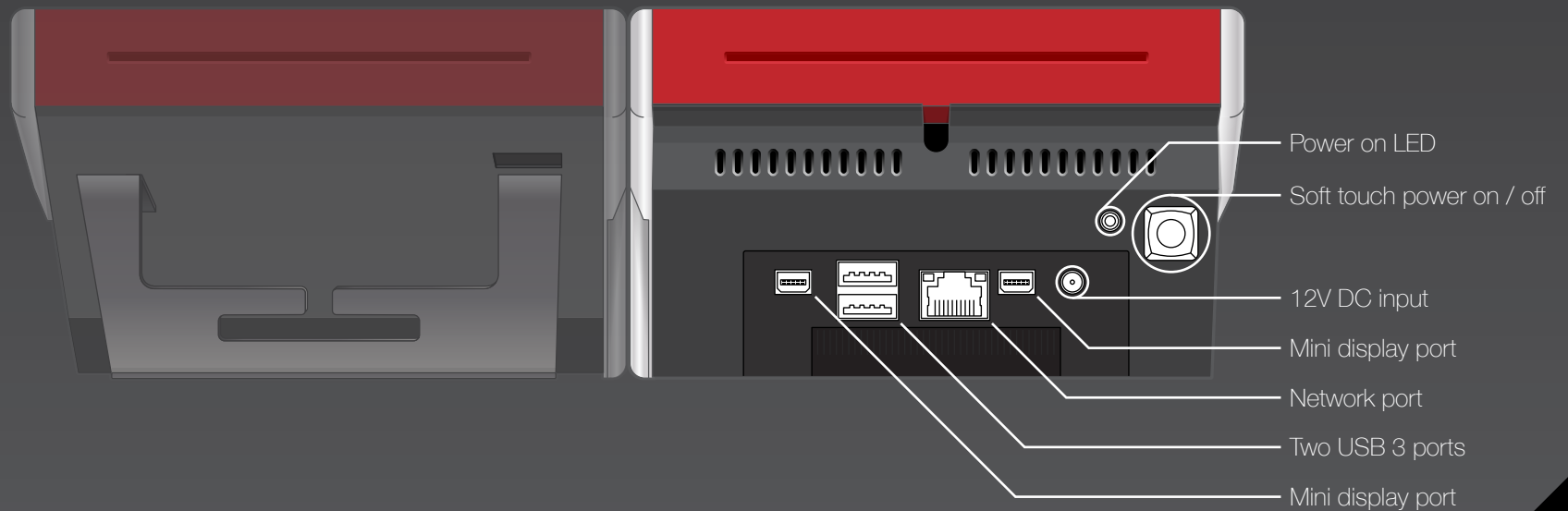
ARRAY GUIDE

Connectivity

This illustration shows the back view of the Connector pod attached to a Satellite panel.

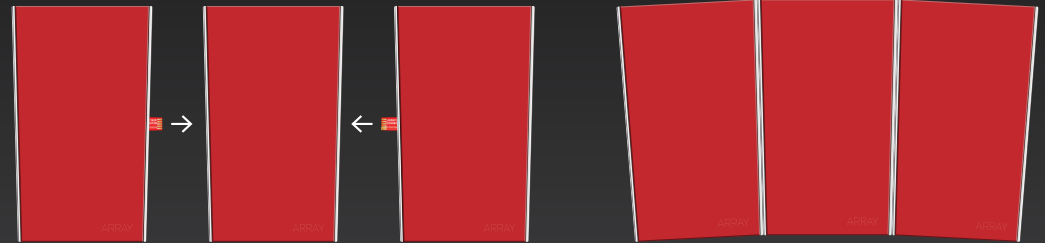
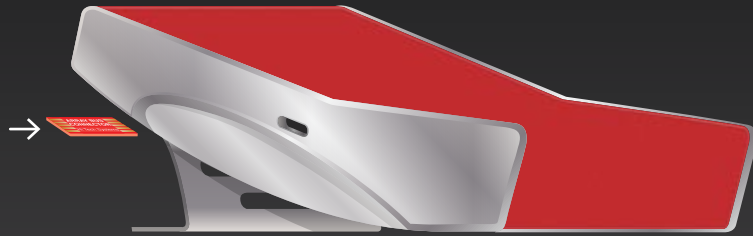


This illustration shows the back view of the Computer base attached to a Satellite panel.



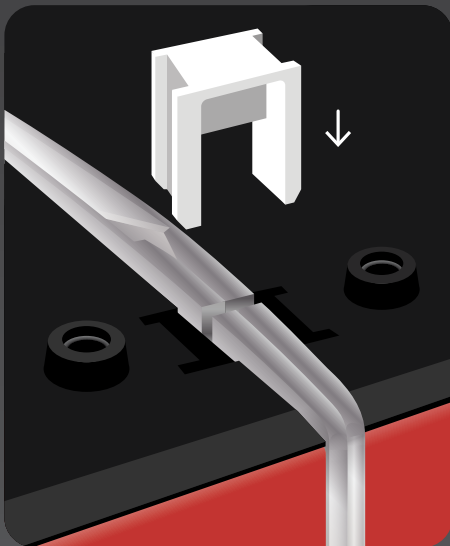
Assembly of two or more Array panels

Insert the supplied data bus card(s) and push the panels together to form an Array Surface. An Array Surface can comprise up to four panels and requires just one power input and data connection through either a Connector pod or Computer base. Panels can be arranged in any order to suit the user's needs.



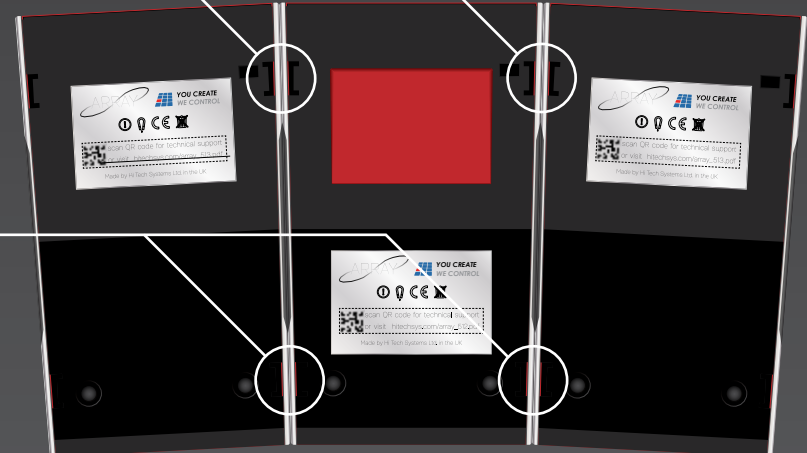
'H lock'

Panels are joined by hidden magnets and a discreet 'H lock' to create a rigid mechanical structure. **Carefully** turn the Array Surface face down onto a soft surface and slide the 'H locks' into the circled positions shown in the illustrations below.



Short 'H lock'

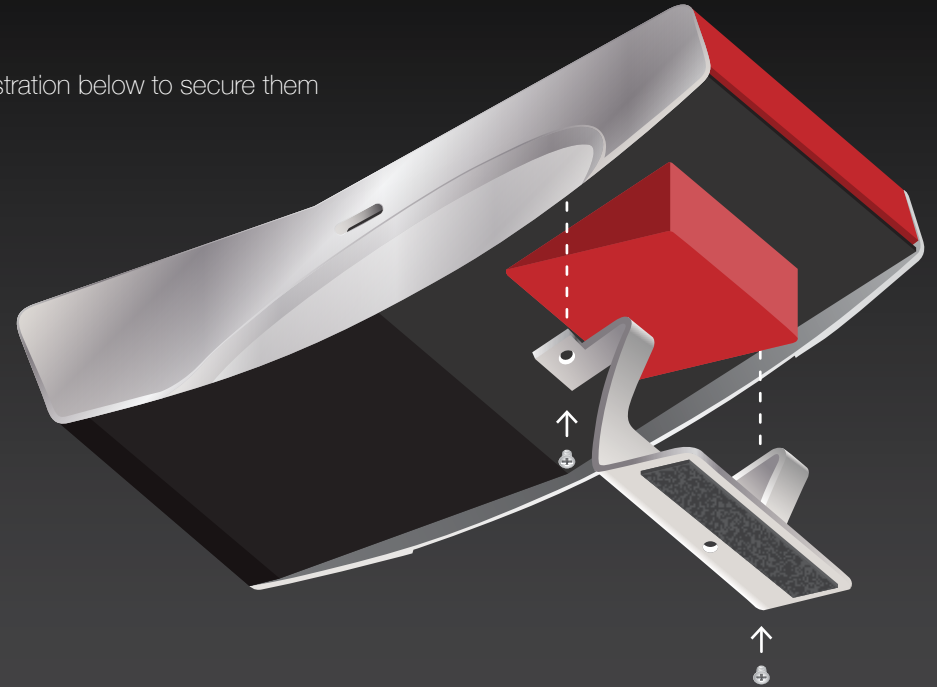
Long 'H lock'



Fitting the stand

With the Array panel face down on a soft surface fit the stand with the screws provided.

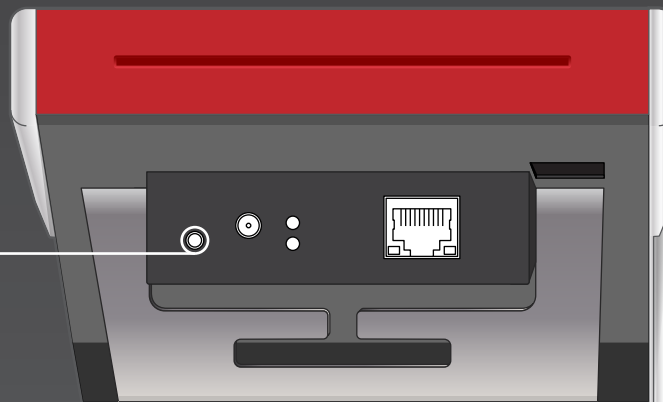
When connecting the cables, thread them through the additional slot in the stand as shown in the illustration below to secure them and keep the cables tidy.



Power on

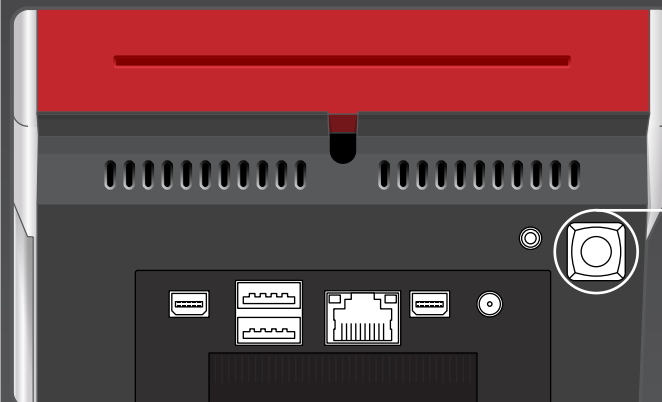
Connector pod

Press and release to power on



Computer base

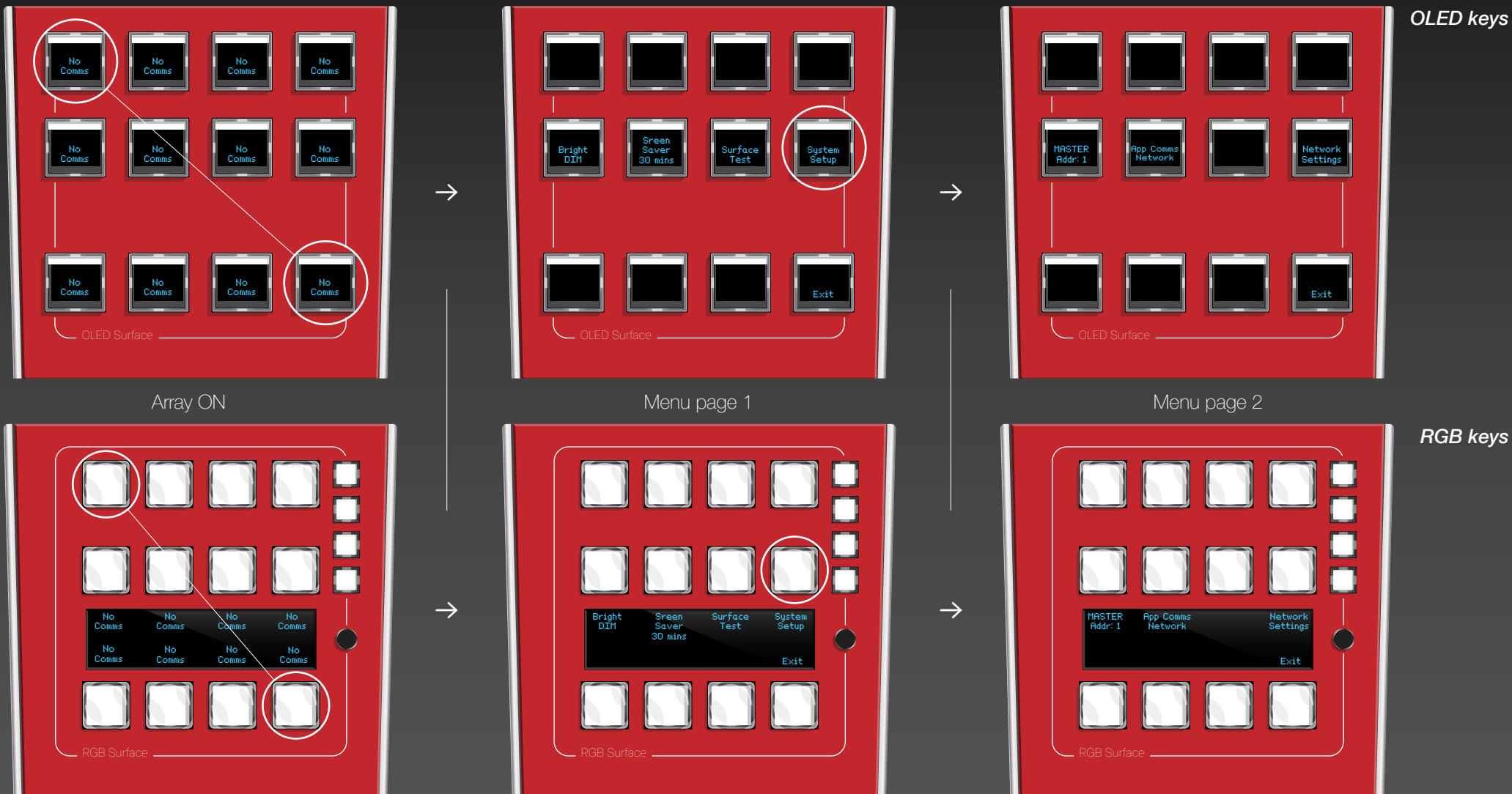
Press and release to power on



Configuration

An Array panel is used to describe a single panel. The term Array Surface is given to a master panel with the addition of one, two or three satellite panels connected together to form a Surface.

- » When Array is first powered on and not connected to any devices it will show "NO COMMS" on the displays as shown in the two graphics on the left hand side
- » To enter the configuration settings press the two following keys simultaneously (upper left and lower right):



- » Setting each key is explained in more detail on the following page of this document
- » To enter the Network Settings press the "System Setup" key and then the "Network Settings" key
- » Once any changes use the exit key twice and Array will display a message that changes have been made and the system needs to be powered off and on

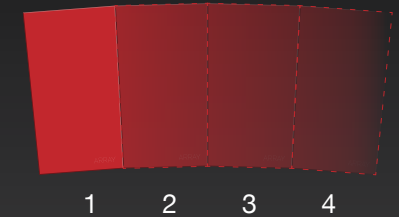
System setup - Menu page 2 keys

Array address system

Each Array panel used to make an Array Surface has a unique address number (1-4 from left to right), this denotes the position of the Array panel when viewed using software applications such as Avita and Ancora.

The master panel is the conduit of communications from the Satellite panel(s) to devices connected to the system. Once the user has decided an order in which to arrange the Array panels, then this has to be defined within the Array system.

- » Each Array panel is prescribed a number from left to right (as shown in the diagram) **irrespective of being a master or slave**
- » A single panel is always set as 'MASTER Addr: 1'
- » For two or more Array panels, the master panel will be the panel with the Connector pod or PC base and the number that follows in the addresses, 'MASTER' or 'SLAVE', will be determined by their position within the surface



Panel interface COMMS

- » Toggle through options by pressing 'App comms' key
- » Select USB or Network depending on how the Array panel is connected to the computer

Network settings

The default IP address is 192.168.0.96, Subnet Mask: 255.255.255.0, Gateway: 192.168.0.1

- » Select the integer to be adjusted, indicated with > or < by pressing the 'Next IP value' or 'Previous IP value' keys
- » Increase the value or decrease the value (press and hold for a faster count)
- » Press 'Exit' to return to the configuration mode

Configuration mode - Menu page 1 keys

Setting the brightness

The brightness of the keys can be set from a choice of five levels of brightness from DIM to BRIGHT.

- » Press the 'Bright' key to toggle through brightness settings of the keys on that panel
- » Slave panels always follow the Master panels brightness setting

Screen Saver

The screen saver for an Array panel can be set to Off / 1 minute / 30 minutes (default) / 60 minutes / 120 minutes. It is recommended that you use the shortest convenient time to prolong the life of the displays.

- » Press the 'Screen saver' button to toggle through the required duration
- » The screen saver mode is activated after the set time has elapsed from when the last key was pressed, and deactivated after any button press, wheel or T bar movement
- » Slave panels always follow the Master panels screen saver setting

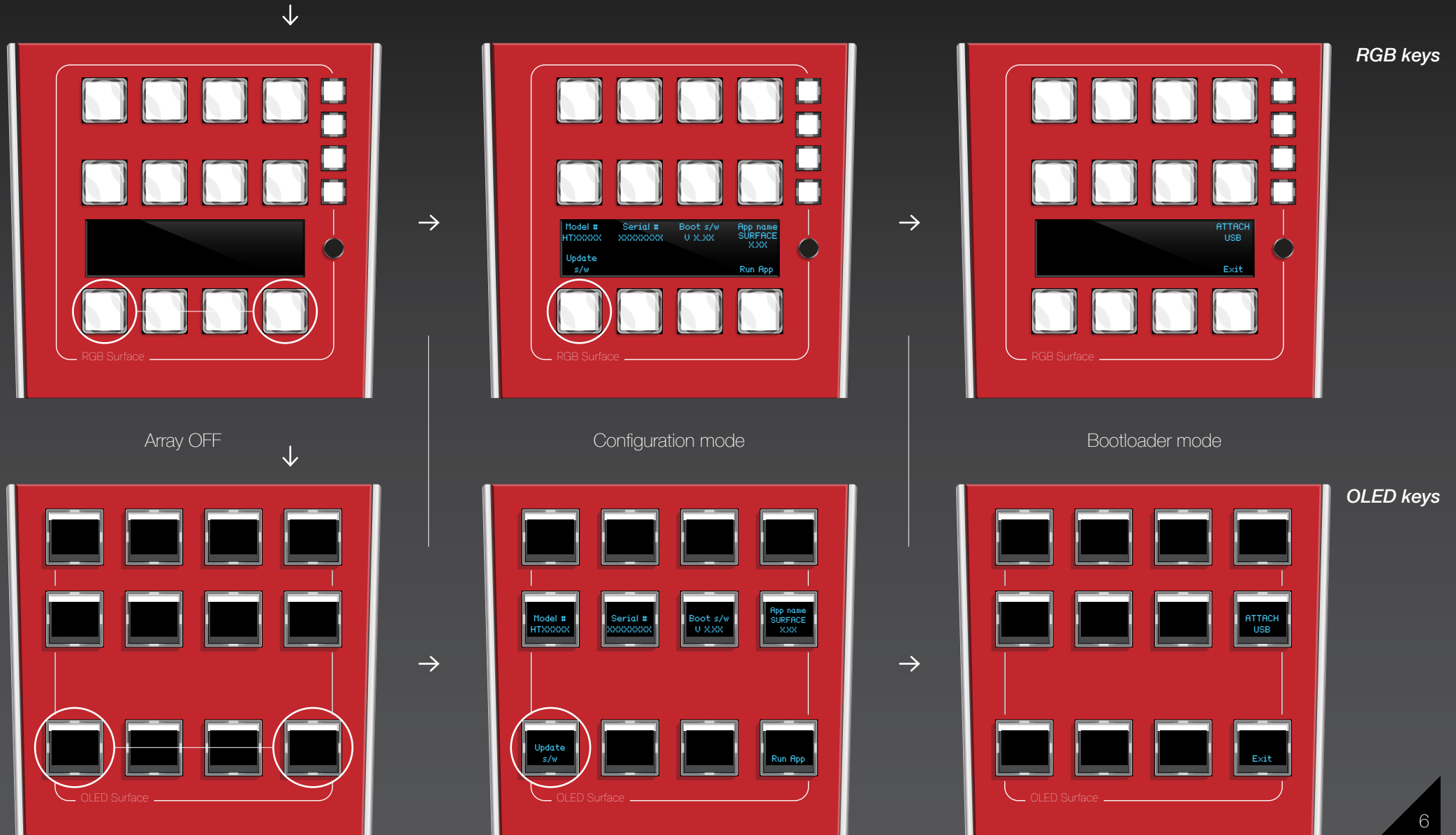
Panel test

- » Press the panel test key to enter the panel test mode
- » Each key, when pressed, will change colour corresponding to the names on the keys or display
- » RGB only - navigation wheel will display position last selected
- » If fitted, the Jog/Shuttle wheel test is indicated by a pulse count number which increases (clockwise) or decreases (counter clockwise)
- » If fitted, the T-bar test is indicated by a pulse count number which increases (away from the operator) or decreases (towards the operator)

Array panel software upgrade - "Bootloader mode"

To enter the configuration mode of any panel press the following two keys simultaneously whilst powering ON (lower left and lower right with the power on button):

- » Pressing the update software key - "Update s/w"
- » Press the "ATTACH USB" key and follow the steps on the following page of this document titled Software updates



Software updates

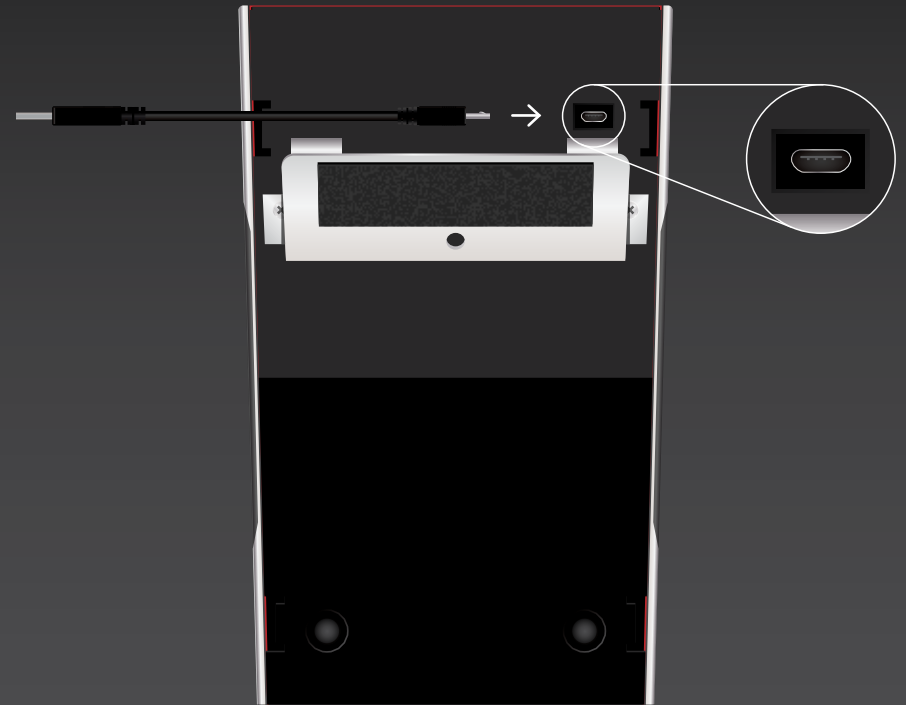
Updates or alternative applications require each panel to be re-programmed individually.

- » The software program used to update the Array panels is available from the Hi Tech website
- » With a USB connection to the computer, press the 'Update S/W' button and follow the instructions for the Array programmer
- » There is no need to change the panel interface COMMS to USB as software uploads always use USB



Micro USB must be fitted this way up

- » Connect the Micro USB cable to the Array panel and the computer - **be very careful to orientate the connector correctly**
- » On the Array, enter the configuration mode
- » Press 'Update SW' button
- » On the Array Programmer, press 'Connect'
- » Press 'Load Hex File'
- » Press 'Erase-Program-Verify'
- » The software will load onto the Array panel
- » Exit when the programming has completed





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