



# AvoKey Installation

with 1221-2041 and 1221-2045



AvoKey Hardware installation guide for

Upgraded Tiger Touch consoles using the  
Fujitsu D3243 MB upgrade (F-V10 upgrade)

i.e. Consoles requiring an extra USB cable and

Avolites Kit number 8000-6103 Version 1.0

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The small print:

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In no event shall Avolites be liable for any direct, indirect, special, incidental, or consequential damages or loss whatsoever (including, without limitation, damages for loss of profits, business interruption, or other pecuniary loss) arising out of the use or inability to use Tiger Touch even if Avolites Ltd. has been advised of the possibility of such damages. Because some jurisdictions do not allow the exclusion or limitation of liability for consequential or incidental damages, the above limitation may not apply to you.

Reprint and revision history:

V1.1 Split up per console and edits JBT Oct 2019

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## IMPORTANT NOTES:

The document is divided into chapters depends on the console type or TNP and motherboard installed in the console or TNP.

Read the relevant section of this document at least once before starting the installation.

If in doubt contact your reseller or Avolites for support direct.

Perform the upgrade in an area with good work lighting and clear working space.

Have a small container handy to put screws in as you remove them.

Please note that it is possible that your console does not have a motherboard listed below, this can be because the original MB had failed, and the original MB was not available anymore. In this case contact Avolites direct to establish which kit you may need.

After the installation of the Avokey you can use the console as normal with software versions before V12. In order to use V12 you will need to download it and install as per normal, this is then followed by the "authentication" process to licence the console or TNP for V12. This only needs to happen once.

See the V12 installation notes for further information

Console an and TNP licenses are Hardware locked, therefore once authenticated against a specific console or TNP the dongle will only work in that product.

### 1. Safety notice

#### Before you open the console



Disconnect the console from the Mains supply and other electrical connections

Observe anti-static measures by either using and anti-static strap connected to the console or by touching the internal metal PSU housing when working inside the console like connecting the AvoKey

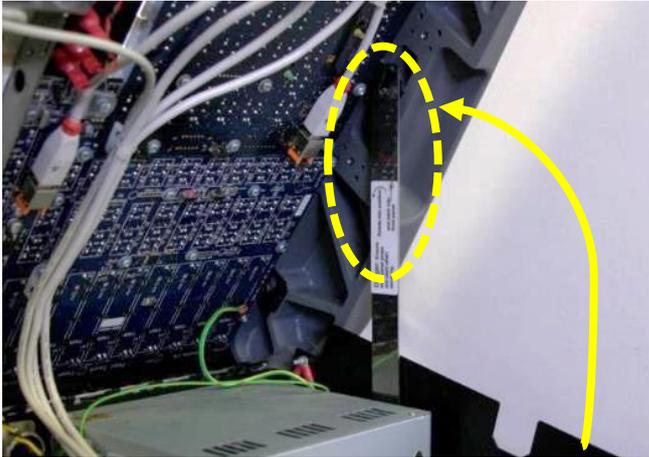
## 2. Tiger Touch Pro

### Fujitsu D3243 (F-V10 upgraded units)

Place the console on a stable base

#### **Assure that the Console is not connected to the mains supply**

Open the console by removing the three screws at the front edge of the console, these screws may be No.2 Pozi drive or T20 Torx, lift the front and hook the stand on the right side of the console to the moulding fixing.



Locate the USB Hub board near the front edge

Consoles with the UPS Board fitted

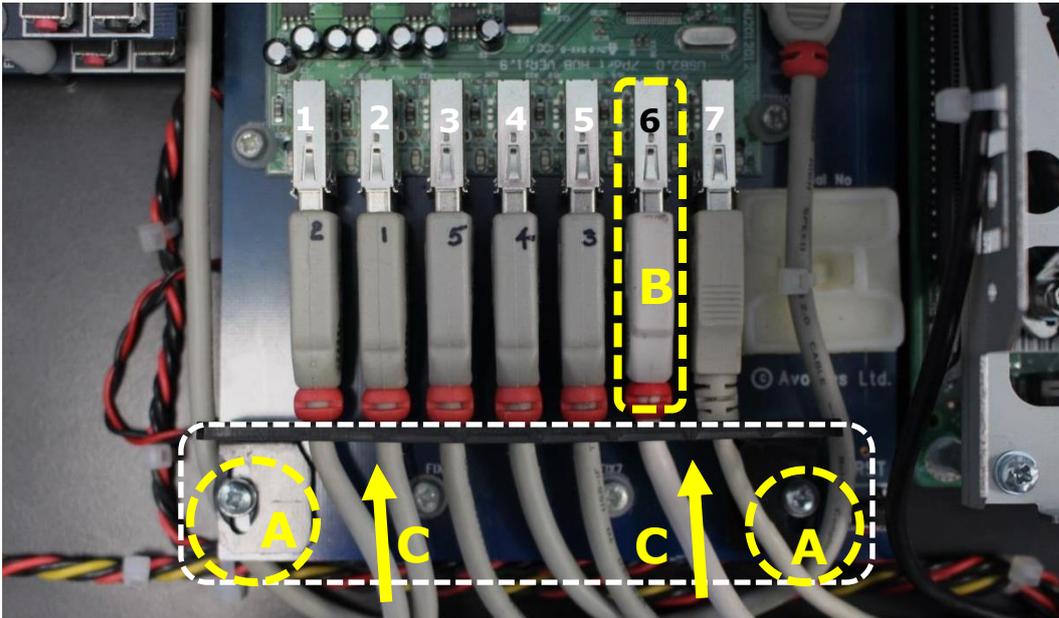
Check if the UPS board USB connection is directly to the MB

If it is directly connected to the MB, go to step xx

#### **2.1 U-UPS connected to the U-Hub**

UPS board USB connected to U-HUB PCB

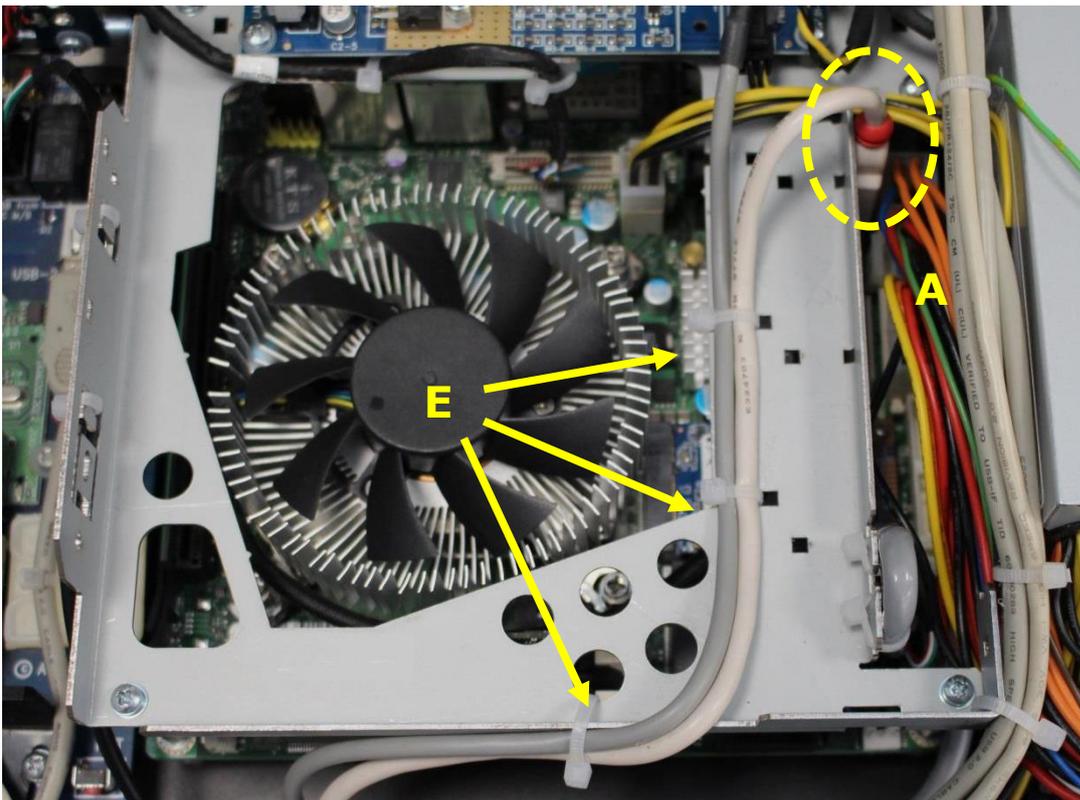
- A. Unscrew the two fixings then remove the cable retention comb
- B. Disconnect **UPS USB** cable from **USB-6** port
- C. Re-fit the cable retention comb and secure with the retained fixings (M3x12 screw, spring washer & flat washer). Push the comb in the direction of the arrows before tighten the screws



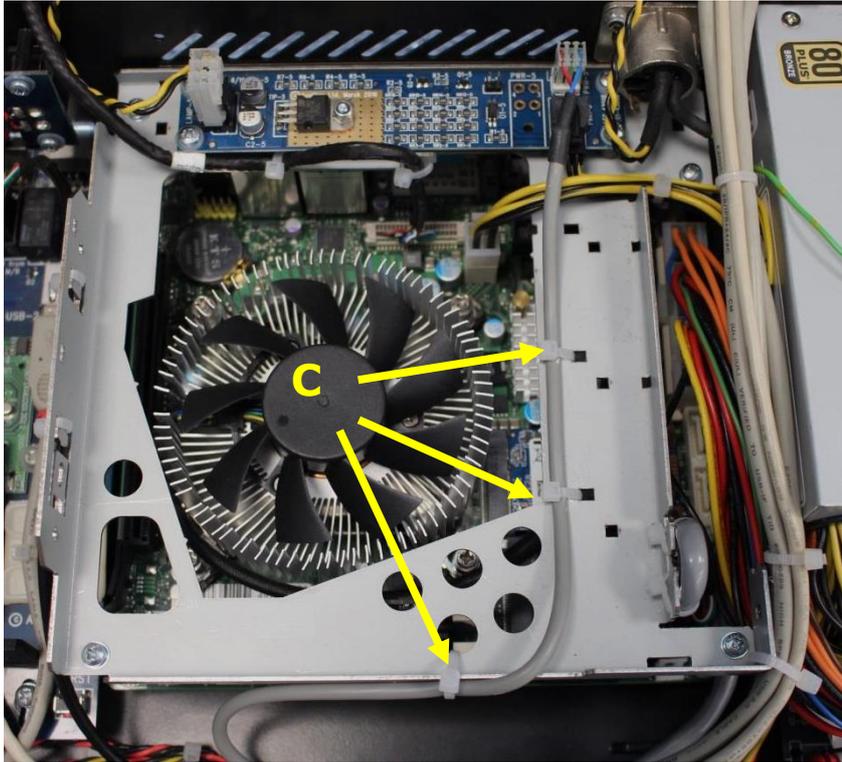
Continue to 2.3 TT Pro continued

## 2.2 U-UPS connected to the MB

- A. Cut the three cable-ties as shown below
- B. Disconnect **UPS USB** cable from motherboard port

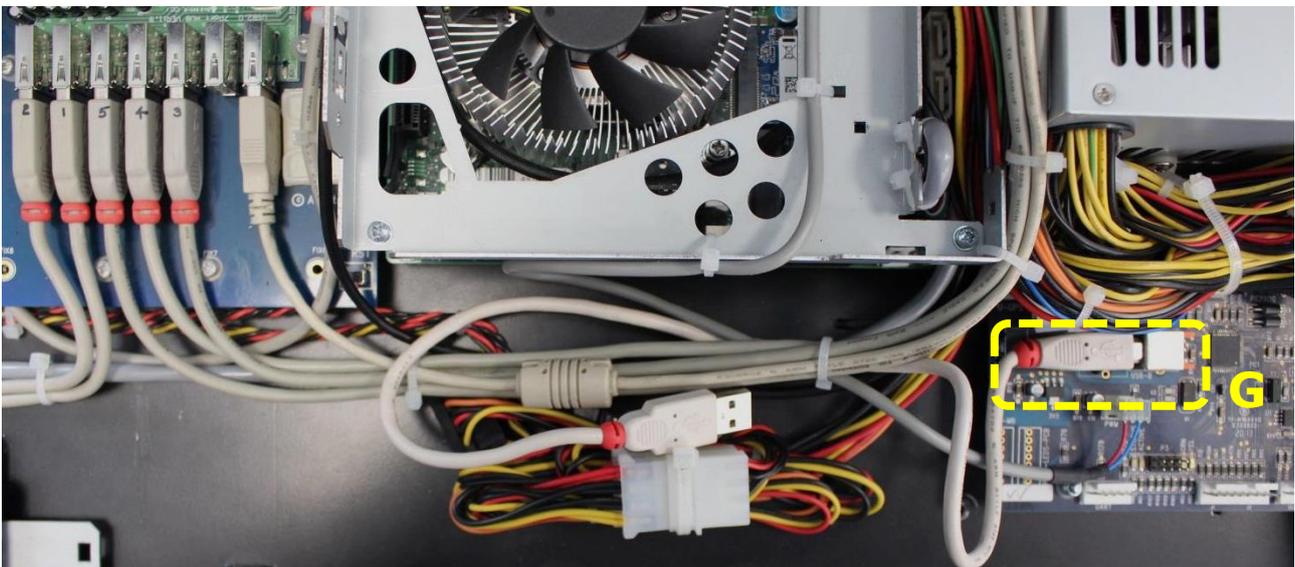


- C. Re-fix the PWM Loom (grey ) to the safety frame with cable ties

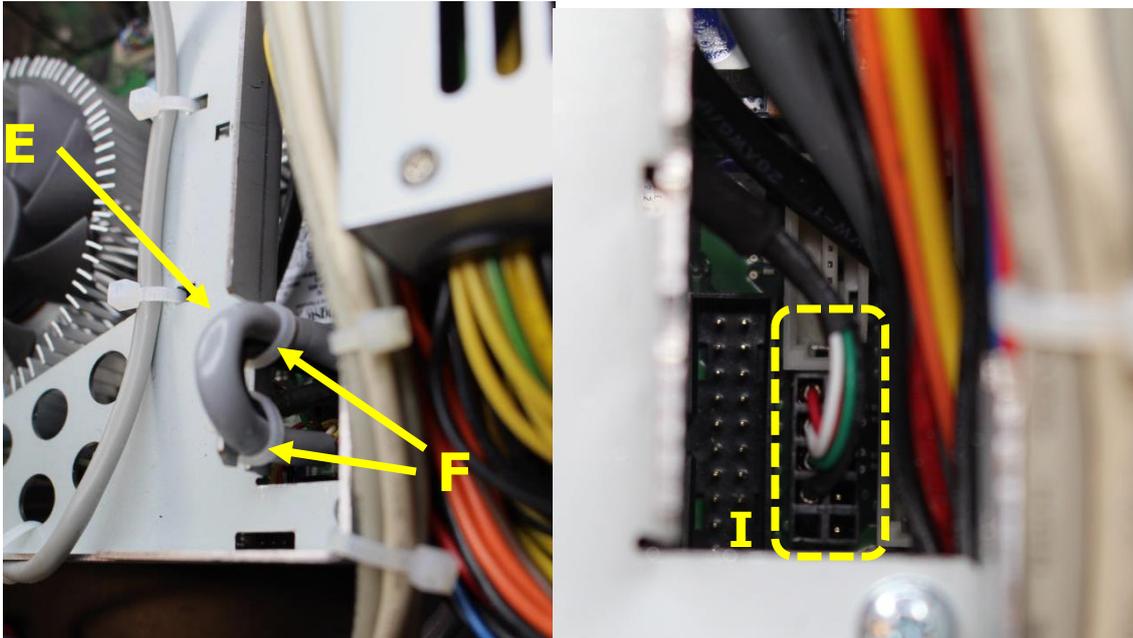


## 2.3 TT-Pro continued

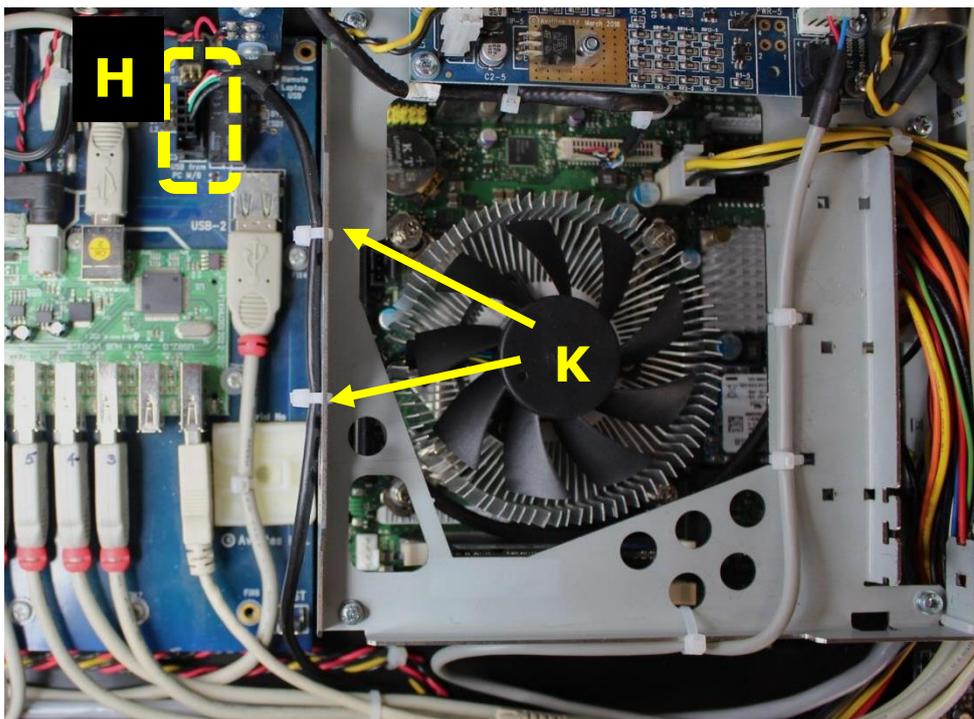
- D. Unplug the UPS USB cable from U-UPS board (or DC-UPS-C board) and discard the cable



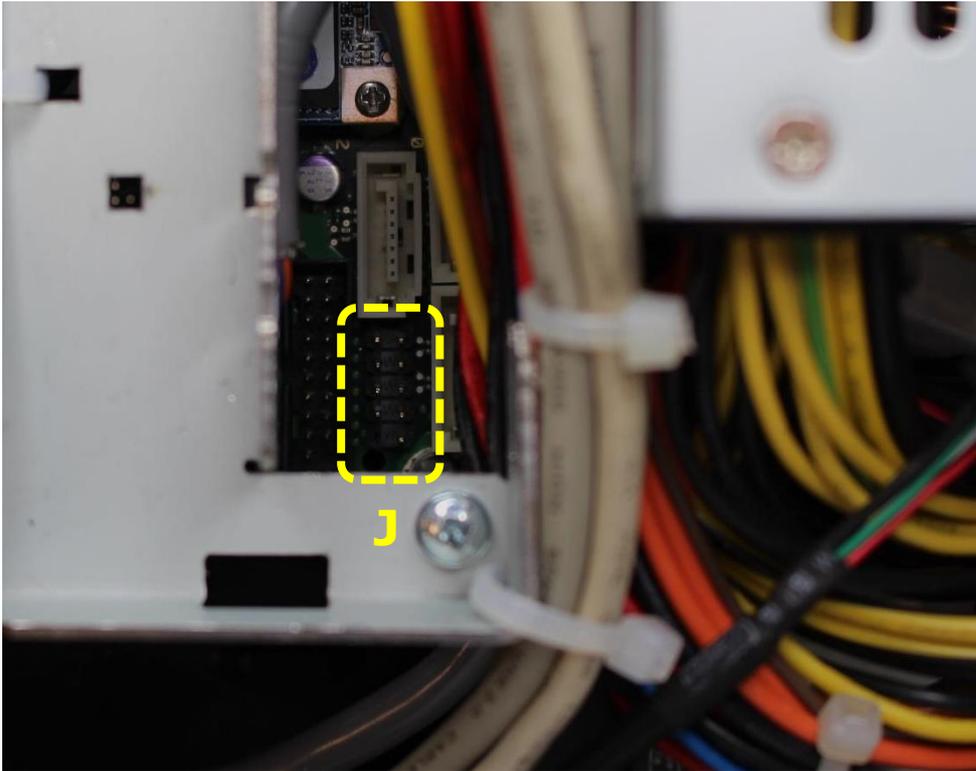
- E. Locate the Hub USB cable on the MB, (this cable can be black or Grey with a 10way between the PSU and the MB)
- F. Cut the two cable ties holding this cable
- G. Disconnect the 2x5 USB connector from the motherboard port



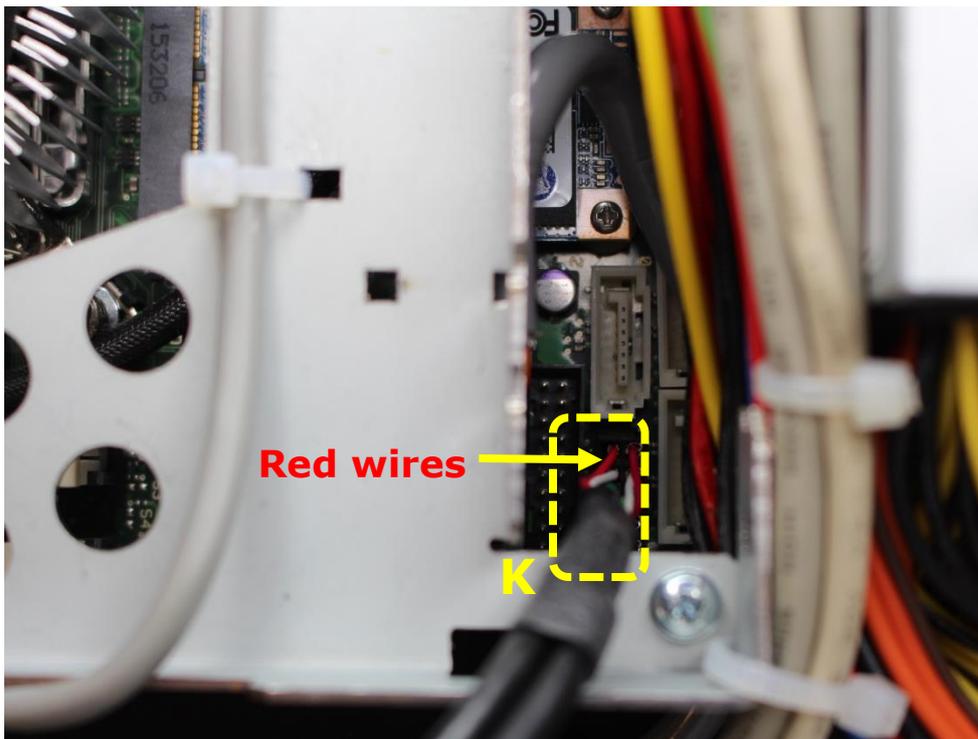
- H. Locate the other side of this cable on the U-HUB board and disconnect
- I. Cut the cable-ties (arrows) then remove the UPS USB cable and discard the cable



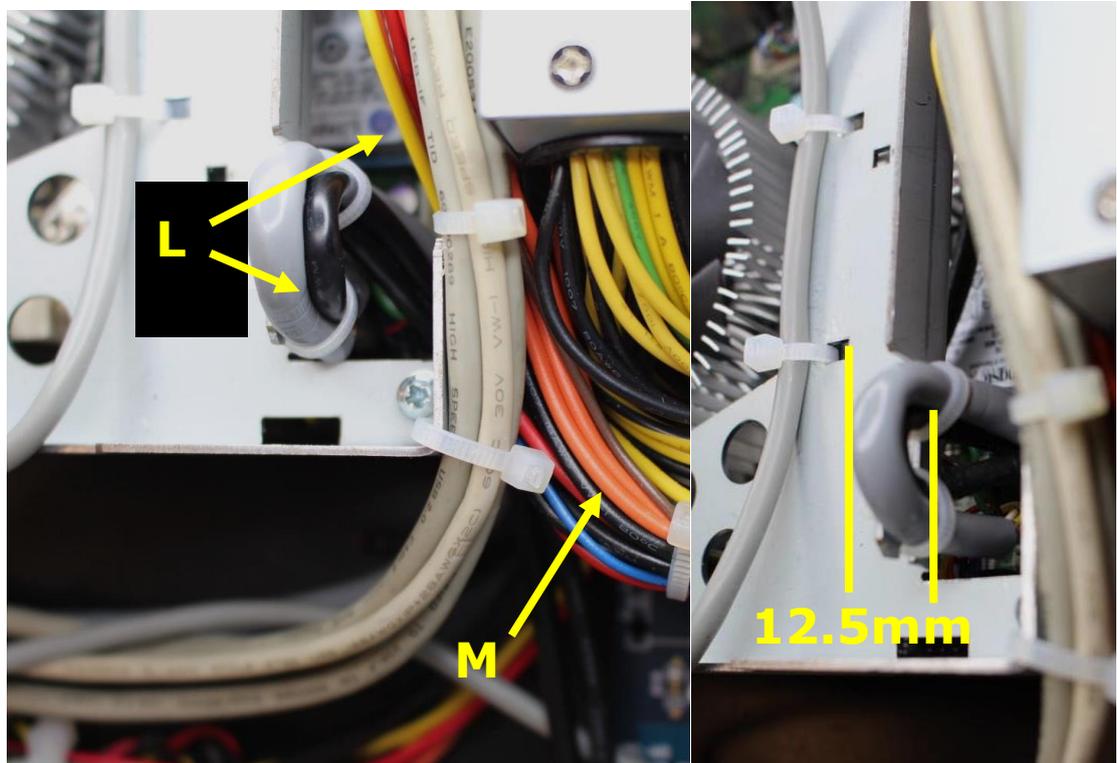
J. Locate the 2xUSB2 port on motherboard



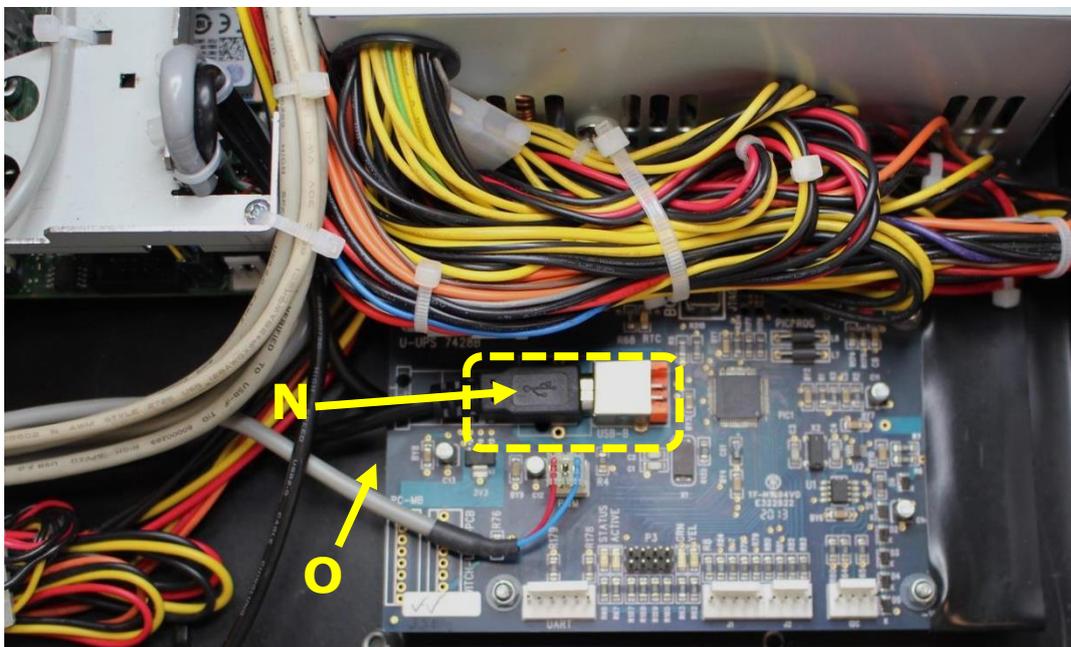
K. Connect supplied 10Way USB to Type B and U-HUB feed cable (2x5 connector side to located the 2xUSB2 port on motherboard with the Red wires up



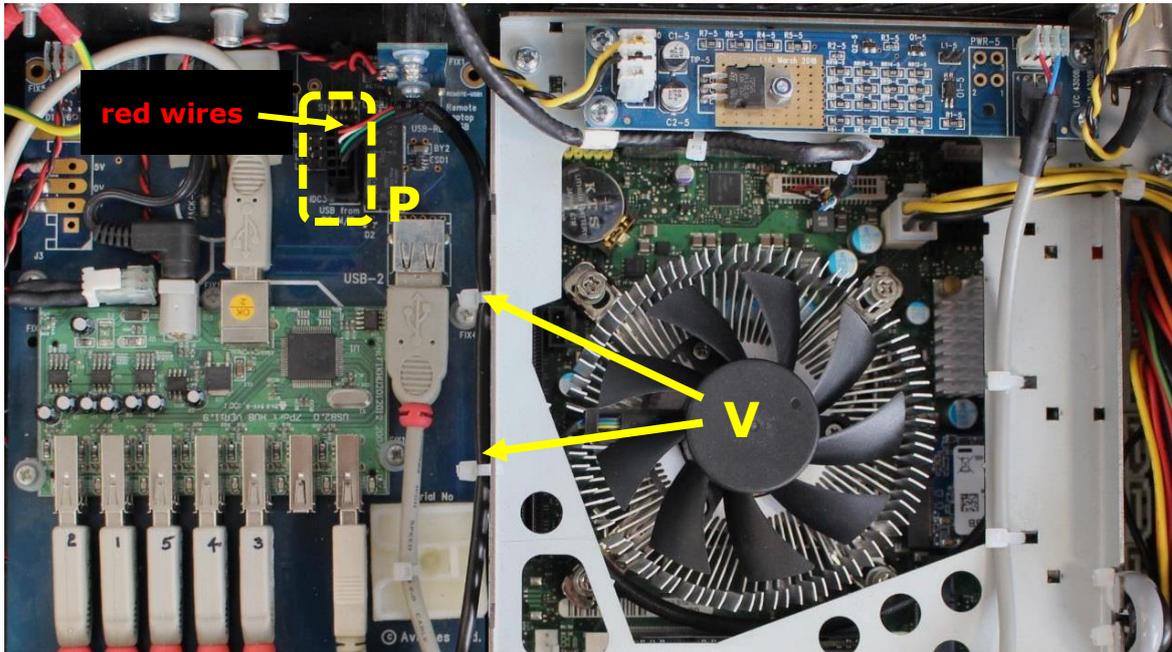
- L. Cable-tie connected cable with the IO cable to the motherboard frame as shown below, make sure it does not protrude more than 12.5mm (1/2") above the frame
- M. Route 10way USB to Type B and U-HUB feed cable under the USB cable bundle



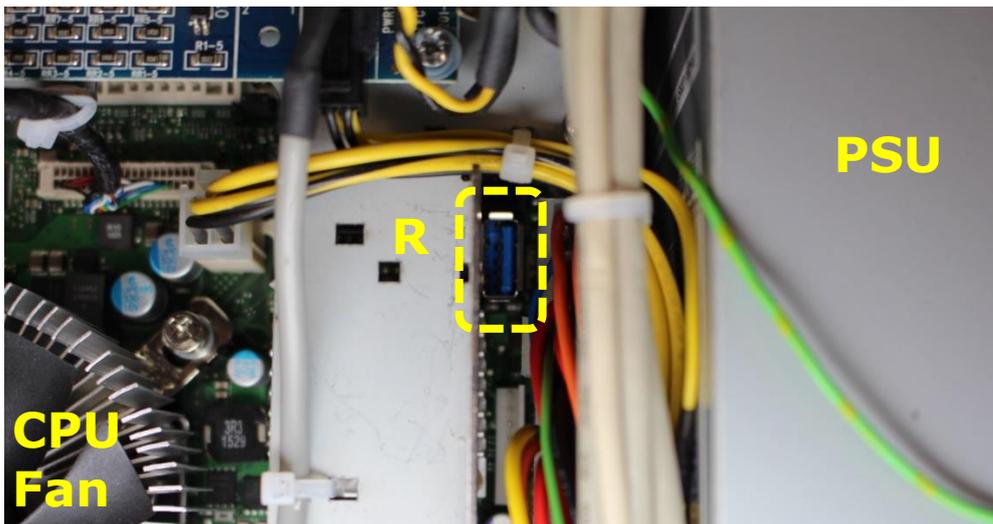
- N. Connect 10way USB to Type B and U-HUB feed cable (USB-B type end) to U-UPS board (or DC-UPS-C board)
- O. Place the cable excess of the UPS connection under the U-UPS board (arrow)



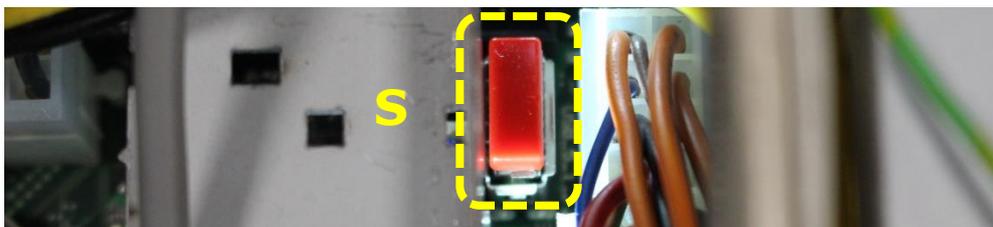
- P. Connect 2x5 connector end from 10way USB to Type B and U-HUB feed cable to the **IDC3** port on U-HUB with the red wire towards the back
- Q. Secure the cable with 2x cable-ties to the safety frame



- R. Locate Blue colour USB3.0 port on motherboard (near the ATX connector)



- S. Plug the AvoKey stick into the located USB3.0 port



- T. Close the console with previously removed M4 screws

### 3. Relicensing

You will now need to relicense your console. During the working week most licenses are returned within hours of the request, but if you are in special need of a fast licence turnaround you should contact [TitanLicensing@avolites.com](mailto:TitanLicensing@avolites.com), or call +44 208 965 8522 between 9am and 5pm UK Time and we will endeavour to ensure you receive your licence in the shortest possible time.

### 4. Letting us know

We care about our products, and therefore we want to know as much as we can about each console that we have made. This upgrade is major and we want to keep track of that. So email us the details as listed below so we can update our records.

Further if you have any comments about this document or procedure let us know as well so we can improve where needed.

Send the email to [repairs@avolites.com](mailto:repairs@avolites.com)

Data to include:

- Console serial number
- client name if known
- your name or company name
- Date of upgrade