Console Update Procecedure for implimenting a 20 minute Power Save Sleep Mode (PSSM)

Geoff Archbold – 9th October 2020

Please ensure you have the following 2 files are loaded onto the PC used for the update.

Name	Date modified	Туре	Size
Integra_FCS.production.bin	18/09/2020 13:41	BIN File	26 KB
₩ MPU2CommsTest.exe	24/09/2020 14:09	Application	9,160 KB

Ensure the Standard Proxy is shutdown



Launch the **MPU2CommsTest.exe** application file above.

The following Screen should be visible

Phoenix MPU USB C	Communication Test Tool - 1.10.0.10	- 🗆 🗙
System		
Input Sources	POWER MODULES HOST BOARD AUDIO BOARD SELF TEST	LogonLogonT
Output Sources	- PSU Int PSU Ext 1 PSU Ext 2 - Present : D	Auto-Logon Keep alve
Talkback	SMP +24V In :	
GPTO	+24/ Ral : green = ok, red = lature +12V Ral : green = ok, red = fature, white + off	
Misc Controls	-12V Rat :	(Rejurite Restore Default
Metering	+45V Rai :	
Channel Strips	Temperature : - Rel. Humidity : -	lagn Int.
Fernivare	Temperature Status	Skort Keep alve
Device Infe	Humdhy Status	
Command Assembly		
	Summing Gan 12 Devoted Temp. 10 0 Protect PGML bus in DTX mode	
	Fader Start 5 warning Temps no. 0 Protect PGH2 bus in DTX mode	Brightness 0
	Fader Stop 0 Critical Temps 10 0 Store	Console Manageru
	Signal CN (dbb) 48 C Warring (number / 10 C C C C C C C C C C C C C C C C C C	
9	Signal CVL (ditu) 48 C	
- Mara		and a first X house
E Eit	Auto-Reconnect Interval (sec) 7 🔅 Status	CLOSED O Connect X Discornest

Now ensure the control PC is still connected with an USB cable to the APC that the Control Surfaces are connected to.



The following Screen should be visible with the green OPEN **OPEN** button showing



Now click the firmware tab on the left column

System
Input Sources
Output Sources
Talkback
GP10
Misc Controls
Hetering
Channel Strips
Firmware
Device Info
Command Assembly

The following screen should be present

Phoenix MPU USB	Communication Test Tool - 1.10.0.10	-		×
item ut Sources	Audo Processing Board XNOS Audio Module Control Surface Audi Module			
out Sources	ROM -> File ROM -> File ROM -> File Strip 0xFF data Strip 0xFF data Strip 0xFF data			
back	Console # 1			
p.	File -> ROM File -> ROM File -> ROM			
c Controls				
rring	Firmware Info			
nnel Strips	Host Main CPU Version : 1.40.5230 Board Tag			
ware	USB Audio Module Version : 1.00.0000			
ice Info	Audo Board Main Version : 1.27.0000 Board Tag_			
nmand Assembly	MICS8 Main Version : 00.00.0000			
	AoIP Main Version : 00.00.0000			
2				
C Ent	Show Trace Log	×	Disconnec	-

Now click the vithin the Control Surface area at the top of the screen

This will open the file explorer and please find the Integra FCS production .bin file



Select file and press open

The following stages will happen automatically – note this process will take under 5 Seconds and the console will reboot.



Repeat this process for the second control Surface by selection Console 2 in the dropdown menu – see below

Control Surface Console #			
When finished click	disconnect Disconnect	and then exit	Exit

Now restart your PC and run normal Integra application.

The effects of this firmware upgrade are for each control surface to enter and exit a Power Save Sleep Mode (PSSM) – if there is not physical activity/actions on a control Surface for 20 minutes then the console enters Sleep mode and reduces the brightness of all Lamps, LEDs and displays to save energy.

Pressing any button, encoder, control knob or fader will awaken the console from this sleep mode. If you have 2 control surfaces then these will enter and exit sleep mode independently of each other.