

SOLUTIONS ——

SETUP GUIDE/MANUAL

For

FDS PRO-MX-CDU/MCDU



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1.0 Product Information

- NEW! VGA LCD (800x600 or 1024x768 Resolution)
- All Metal Construction (Bezel and Structural Components)
- Dual Use Design (Drop in DZUS Rail Compliant and/or Desktop)
- New Dimpled Injection Molded Keys
- Open Source Interface for Simple Integration with available CDU Software (SDK Required)
- PnP with Sim-Avionics, Project Magenta and AST
- Dimmable Key Brightness
- Dimmable LCD Display Brightness (Software Dependant)
- Super Realistic Tactile Feel Keys (With Audible Click)
- Dimensions: 8.95" x 5.75" Footprint (Dzus Compliant)
 API included with Interface Software





FDS A320 MCDU and FDS B747/777

PLEASE NOTE: The FDS-PRO-MX-CDU does not function unless you have installed the FDS-CDU Controller Software. Or available Avionics Suite software that "talks" directly to the CDU/MCDU.

(IE: Sim-A uses the SYSBoard Controller instead) Configuring the CDU by following the instructions on the following pages will enable you to turn on the backlighting, LCD Screen and use the keyboard.

2.0 <u>Compatible Software List</u>

- aeroSystems
 - AST (Limited Support)
 - iFly (Limited Support)
- Level D (Limited Support)
- PMDG B737NGX and B777
- Project Magenta (Limited Support)
 - ProSim B737 and A320
- Aerowinx Precision Simulator (PSX)
 - Sim-Avionics B737 and B777

API documentation included with the install package.

Sim-Avionics : CDU - Captain	
0.	. 0
MENU	1/1 -
< FMC <req></req>	
< ACARS	
	ONC N
	BRT
REF RIL CLB CRZ DES	
MENU LEGS DEP HOLD PROC	3 EXEG
PARY NOT	
FIG H	
	NO
466 P Q R	ST
	XX
00 2 2 8 05	17 DIR (



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3.0 Features



DZUS fasteners and non-skid rubber feet



Functioning Dimmer for key backlighting and Screen dimming (software dependent)

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4.0 FDS-CDU Software Installation for Testing

4.1 FDS-CDU Software is located here

http://www.tekworx.ca/downloads.html

CDU software v3.1.5 (Current version at time of this manual creation: Jan/2018) LINK

Install the software on each computer that will have a CDU plugged into it via a USB cable (self-installing). Single PC users only need to install it once and assign each CDU/MCDU to the correct position (Captain or F/O)

NOTE: Sim Avionics users can assign 3 CDU's (Captain, F/O and Observer for B777 Simulators). A nice feature for full functionality!

4.2 FDS-CDU Software Installation

Plug in the USB cable to the computer and CDU/MCDU and wait for the hardware to be found.





Start the FDS-CDU software; it will appear down by the clock in the Task Bar.





- 1. Right click on the ICON and select Configure. (Fig.2(
- 2. Select *Test Module* from the drop-down menu. (Fig.3)
- 3. Select CDU1 in the Drop-down menu. (Fig.3)
- 4. Click on SAVE.

	luies	Save
CDU Contro	ller Test Module	•
		Cancel
ssignment		
saignment		
Device	Input location data	Assignment
00000362		Not Assigned
		Not Assigned
		CDU 1
		CDU 2 CDU 3
3		
	NOT	E: Double click item assignment to change







The Test Module will show a CDU and you will be able to test all the keys, LED's, backlighting and LCD screen. Also, the value assigned to the dimmer knob staring at 0-255. You can click in the boxes on the right or click on each LED position and the LCD screen in the CDU picture. Select Airbus for MCDU's and also the Airbus style you are using (*FDS-A320-PRO-MX-MCDU is modelling the Thales version*)

4.3 "No Sync"

"No Sync" means there is no video Connection. Check the cables and /or adapters being used. If you see "No Sync" on the FDS-CDU Test Module that is normal and does not reflect what you will see on the CDU Hardware.

Airbus Layout	Device Type
	Outputs ULED 1 LED 6 ULED 2 LED 7 ULED 2 LED 7
	LED 3 LED 8 LED 4 LED 9 LED 5 LED 10 LCD Back Lighting
	Brightness Current Level:
Dia Dia <thdia< th=""> <thdia< th=""> <thdia< th=""></thdia<></thdia<></thdia<>	0 Inputs received

Fig.5

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CDU in Test mode with LCD and backlighting turned on

5.0 Sim-Avionics (Sim-A) CDU Instructions

Using the SYS Controller Software (New since 2014)

5.1 Setup Instructions

- 1) Connect CDU USB, power (12V) and VGA cable.
- 2) Open the SYS Controller software in the main Sim-A folder.
- 3) Software will open. (Fig.7)

Sim-Avionics : SYSBoard Controller - V	ersion 1.49			
<u>File Edit Import/Export</u>				
New Open Save	Aircraft Type B737 B777		Refresh Switch States	Enable Program Mode 🔻
Sim-Avionics : SYSBoard Controller -	FDS-PRO-MX-CDU-MAN-1.7. Version 1.49	doc I Compatibility Model - Microsoft Word		
Eile Edit Import/Export				
New Open Save	Aircraft Type B737 B777	Initializing Device :FDS CDU V9	Refresh Switch States	Enable Program Mode 🔻
Switch Received 1 128 0				

Fig.7

4) CDU Hardware is initialized.

Assign the CDU(s) by opening "Enable Program Mode" on right side of SYS Controller (Fig.8)

Sim-Avionics : SYSBoard Con	troller - Version 1.49				
<u>File Edit Import/Export</u>					
New Open Save	Aircraft Type B737 B777	Running		Refresh Switch States	Return to Basic Mode 🔺
SYSBoard Status	Input Assignment Output As	signments CDU Assignment	Radio Assignment	Switch / LED Monitor	
SYSBoards Currently D	Dectected			-	
API Version : 1.10 FDS CDU V9 33	0.13.0 21A 03EA00000615 : Switches	: 72 / LEDs: 13 / DataLine	es: 1 / 7 Segs:	0 / Servo: 0	ect Active Board Functions
1 Device Connected				I⊽ En: I⊽ En: I⊽ Fn:	able Switches and LED Boards able MCP / EFIS able CD11's

Fig.8

5) List of SYSBoards or Devices Connected is shown. Select CDU Assignment Tab. (Fig.8)

6) Press any Key on the CDU you want to assign.

Edit Import/Export					
New Open Save Aircraft Aircraft B737	Type B777 Running		Refresh Switch	States	eturn to Basic Mode 🔺
SYSBoard Status Input Assignment C	Output Assignments	J Assignment Radio As	signment Switch / LED M	onitor	
		SYSBoard ID			
	Last Board Detection :	03EA00000615			
Press any key on the CAPTAIN CDU, then press Assign	Assign CAPTAIN CDU		Clear	Brightness :	
Press any key on the F/O CDU, then press Assign	Assign FO CDU		Clear	Brightness :	
	Assign OBSERVER 1 CDU		Clear	Brightness :	
Press any key on the OBSERVER CDU, then press Assign	Assign OBSERVER 2 CDU		Clear	Brightness :	

Fig.9

Number appears in yellow. Assign to the CDU, in this case CAPTAIN CDU (Fig.9)

7) CDU will show assigned and Press "SAVE" (Fig.10)

Edit Import/Export	2009261			
Aircraft Jew Open Save 0 B737	B777 Running		Refresh Switch	States Return to Basic Mode 🔺
SYSBoard Status Input Assignment C	Output Assignments	Assignment Radio Assignme	ent Switch / LED M	lonitor
		SYSBoard ID		
	Last Board Detection :	03EA00000615		
Press any key on the CAPTAIN CDU, then press Assign	Assign CAPTAIN CDU	03EA00000615	Clear	Brightness : 185
Press any key on the F/O CDU, then press Assign	Assign FO CDU		Clear	Brightness :
	Assign OBSERVER 1 CDU		Clear	Brightness :
Press any key on the OBSERVER CDU, then press Assign	Assign OBSERVER 2 CDU		Clear	Brightness :
	Assign OBSERVER 3 CDU		Clear	Printmass :

Fig.10

- 8) Once assigned the CDU screen and backlighting will turn on.
- 9) Start the Sim-A CDU software by clicking on the exe in the CAPT CDU folder.

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Fig.11

- 10) The CDU appears on the Main PC screen as above. Drag the CDU over to the CDU screen. (Fig.11)
- 11) Once positioned in the FDS CDU hardware screen, press the "END" key on your computer keyboard. The CDU will go to Full Screen.
- 12) Close the Sim-A CDU program to allow the screen settings to be written to the CDU ini file in Sim-A
- 13) Re-start the CDU program and the CDU will display the CDU screen in your CDU hardware.

*Follow the Line Set-up procedure on page 18 of the Sim-Avionics User manual located in the Main Sim-Avionics folder in the Documentation folder.

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5.2 Sim-A Line Set-up

- 1. Press the MENU key
- 2. Press SIM
- 3. Press NEXT PAGE
- 4. Press Line Setup
- 5. Change each line number by entering the new number with the keypad and select the line you want to adjust. The line will move, adjust the number till lined up. Do this for each line. IE: Shows 58 enter 68, select the LSK and the text will shift down. (if you make a mistake enter a number close to what it was and select the LSK to return the line). Only required for the left side, it will adjust the right side as well.
- 6. Press NEXT PAGE to go to the next menu page.
- 7. This is for the Title, Margin and Scratchpad

Press SAVE when completed.



6.0 **ProSim CDU Instructions:**

In the most recent pre- releases (1.39.38) ProSim now supports the FDS CDU with its own version of the TEKWorx driver (interfaceITAPI.dll) ProSim will then recognize the CDU.

Please install our latest prerelease as explained here: http://www.prosim737.com/forum/viewtopic.php?f=81&t=4932

Uninstall the FDS drivers / TEKWorx software if installed. FDS_CDU software can be used as a Test module if required for testing. The FDS-CDU software cannot be running at the same time as the Avionics software.

Config	guration	- 0
ain (Drivers Switches Switches MCP/Throttle Indic	ators Indicators MCP/Throttle Gauges Displays Gates Numerical Audio Analog Encoders Levers
	CPRight boards/ICS MIP through MCP	Enabled Use only when the boards are connected to the MCP Advanced
	CPRight boards direct connection	[Not installed] Vise only when the boards are directly connected to the computer without an MCP
	Directinput support for joysticks	Enabled
	EHID Server	Advanced
	FDS hardware support	Enabled Advanced
+	Flight Illusion support	[Not installed]
	FSBUS support	[Not installed] ~
	FSC Stickshaker	
	FSUIPC support	Enabled
	Generic COM port/TCP driver	Enabled Advanced
	GoRight hardware support	Enabled Advanced
	CPRight/Engravity ICS overhead panel support	[Not installed] V Advanced
+	IOCP Server	
	Matrix Orbital display support	Enabled
	Phidgets support	Enabled Advanced
	Pim Pressurization Panel support	[Not installed]
	Pim IRS Panel support	[Not installed]

6.1 ProSim CDU Setup

Fig.12

Make sure you have selected "**FDS Hardware Support**" by selecting Config/Configuration then Drivers. (Fig.12)



Open the ProSim CDU software and select the exe file.



Fig.13



6.2 **ProSim CDU Assignments**

1) Right-click on the CDU screen and select Config. (Fig.14)

2) Enter the ProSimSystem Server IP Address to connect the CDU software and showing a green Connected indicator. (A)

3) Select the CDU position (Captain or First Officer) (B)

Options Driver ProSim737 :	s Screen layout server		
Fonts Small font Large font	+ •	FMCJGBFLAT, 16.35pt FMCJGB, 16.35pt	
		Reset to defa	ult
Start mir Start full Preferred Stay on Hide mo Allow red FANS M CDU Role	nimized screen d host for WebCDL top use cursor mote computer shut ICDU Standalon <u>Standalon</u> Captain Cl F/O CDU	Show frame Show border Do not move window when border is Use color Doubleclick to resize down Use keyboard leds	s off
		Γ	Ok Cancel

Fig.14

Select the Drivers Tab

- 1) Select Enabled
- 2) Select the CDU serial number

Note: It is easier to do each CDU one at a time so that you know which serial number you need to select.

Config	×
Options Drivers Screen layout	
For Engravity V1 CDU's	^
COM Port [Not installec V	
For Engravity V2 CDU's	
IP address	
For OpenCockpits CDU's	
SIOC server	
SIOC variable offset	
For CockpitSonic CDU's	
EHID server	
For FSC CDU's	
CDU IP address and port	
For Tekworx/FDS CDU's	
Disable LCD backlight control	
CDU serial 03EA00000615 V	
Key layout 1 V	
For VRInsight CDUII	
COM Port [Not installer >	
	¥
Ok	Cancel

Fig.15

Back to the Options Tab

- 1) Set the Fonts as shown or find the settings you prefer.
- 2) Select Start Full screen
- 3) Deselect Show Frame and Show Border

Config	×
Options Drivers Screen layout	
Pro Sim 737 server Server 127.0.0.1	
Fonts Small font + - FMCJGBFLAT, 14.949995pt Large font + - FMCJGB, 14.949995pt	
Reset to default	
Options	
Start minimized Show frame	
Start fullscreen Show border	
Preferred host for WebCDU Do not move window when border is off	
Stay on top	
Hide mouse cursor Doubleclick to resize	
Allow remote computer shutdown	
FANS MCDU	
CDU Role Standalone CDU V	
Ok	Cancel

Fig.16



6.3 Moving the ProSim CDU to the CDU screen

1) Drag the CDU (as shown) over to the screen of the Hardware CDU



Fig.17

6.4 **ProSim Screen Setup**

Do the Screen Layout following the instructions provided by ProSim. This is the ProSim software setup for the Screen Layout. Fig.18

- S O L U T I O N S —

С	onfig	Х
	Options Drivers Screen layout	
	To configure individual screen layout, right click in the main window and select "Line Setup mode". Next, use LSKL1 to LSKL6 to select a line, or LSKR1 to select Menu line or LSKR6 to select scratchpad. Use the following keys to modify: - U/D: Up/Down - L/R: Left/Right - W/S: Widen/Shorten	
	To reset all layout to default, press the button below.	
	Reset all screenlayout	

Fig.18



Fig.19

ProSim-AR

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7.0 AEROWINX PRECISION SIMULATOR (PSX) CDU SETUP

Start the FDS-CDU Software. (Fig.20)

Open the software; it will appear on the Task Bar.



Fig.20

Right-click on the ICON and select Configure. Select *Aerowinx Precision Simulator* (PSX) from the drop-down menu as shown below. (Fig.21)

Configuration Available modules			— ×
AEROWINX Precision Simulator	-		onfigure
AEROWINX Precision Simulator		· · · ·	
AST Airbus MCDU A AST Airbus MCDU - No Window Level-D FMC - FS9 Level-D FMC - FSX Project Magenta Airbus CDU Project Magenta Airbus CDU (N Project Magenta Airbus CDU (TI Project Magenta Boeing CDU/FI Project Magenta Boeing CDU/FI CDU Controller Test Module	o Window) hales) hales - No Window) MC MC (No Window)		
NO	TE: Double click item	assignment	to change.
Misc	Load Dela	y (sec):	0
Save	Cance	el	

Fig.21



7.1 PSX CDU Configuration

When PSX is selected the Configure Icon to the right of the drop-down menu will darken. If the CDU is being configured from a networked computer other than the PSX Server the IP address and Port number of the Server should be selected. The port number can be obtained from looking at the PSX server's **Preferences – Basic** page. Fig.22

Configuration			8
Available modules			
AEROWINX Precisio	n Simulator	-	Configure
<i></i>			
AEROWINX Precis	ion Simulator M	lodule Configuration	×
Server Address:	192.168.0.2		
Server Port:	10747		
	Save	Cancel	
Mine			
Debug Logs		Load Delay (sec):	0
	Save	Cancel	

Fig.22

In the Assignment Tab use the Drop-down menu to select the position of the CDU as shown in the following screenshot. For PSX the CDU position is defined as left, center and right. Left is the captain's CDU, Center is the Observer's CDU on the aft aisle stand and Right is the First Officer's CDU. All three CDUs can be on the same PC if desired. Fig.23

AEROWINX	Precision Simulator	Configu
signment		
Device	Input location data	Assignment
00000018		Right
00000023		Center
	NOT	E: Double click item assignment to cha
sc		Lond Dalay (see)

Fig.23

Click on SAVE. Right click on the ICON and select EXIT. (Fig.23)

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7.2 PSX Special Notes

Optimal video card resolution to match the PSX program is 800 x 600.

Once set up and initialized, the screen, the keypad backlighting and the indicator lights are controlled by the state of the B747-400 simulator. When the aircraft is unpowered, all CDUs are inoperative. When powering up a CDU, it takes 20 seconds until the CDU is operative. The left CDU is powered when the Battery switch is ON and the Standby Power Selector is set to AUTO or BAT. The center CDU is powered when AC bus 1 powered. The right CDU is powered when AC bus 1 or 2 is powered. (AC busses can be powered by APU PWR, EXT PWR, or by engine generators.) The CDU screen intensity is set by the **BRT** dimmer knob on the CDU. The keypad backlighting is controlled by the **Aisle Stand Panel** Lighting Potentiometer on the Overhead Panel.



8.0 PMDG CDU Setup

Covers the B737NGX and the B777 only.

Follow instructions included with the downloaded software

Location of User Manual after installation: C:\FDS PMDG Interface

8.1 PMDG Software located <u>here</u>

FDS-PMDGController V2.0 is the latest version. <u>*Please*</u> review and follow the supplied instructions to get the CDU up and running. Make sure you have installed the Sim-Connect files if running Prepar3D. Sim-Connect is not installed automatically. Must be installed by the user.

8.2 Sim-Connect for Prepar3d

Install all three P3D Sim-Connect versions:

 $\label{eq:c:Program Files (x86) Lockheed Martin Prepar3D v3 redist Interface FSX-RTM retail lib SimConnect.msi$

 $\label{eq:c:Program Files (x86) Lockheed Martin Prepar3D v3 redist Interface FSX-SP1 retail b SimConnect.msi$

C:\Program Files (x86)\Lockheed Martin\Prepar3D v3\redist\Interface\FSX-SP2-XPACK\retail\lib\SimConnect.msi

<u>NOTE</u>: No need for the Japanese or Russian version (Unless you really want to...)



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9.0 Air Sim Tech (AST) MCDU Set-up

FDS-CDU Software is located here:

http://www.tekworx.ca/downloads.html

CDU software v3.1.5 link is here

Open the software; it will appear down by the clock in the Task Bar.



Fig. 24

- 1) Right click on the ICON and select Configure. Select *AST Software* from the drop-down menu.
- 2) Click on SAVE.
- 3) Right click on the ICON and select EXIT.

FDS CDU Setup/Manual v1.9

January 3, 2018

Available modules		Sav
CDU Controller Test Module	-	
AST Airbus MCDU - No Wind Level-D FMC - FS9 Level-D FMC - FSX Project Magenta Airbus CDU Project Magenta Airbus CDU Project Magenta Boeing CDU CDU Controller Test Module	ow I I (No Window) J/FMC J/FMC (No Window)	
Misc	NOTE: Double click item assign	ment to cha
	Load Delay (cor). C

Fig.25

Follow the MCDU instructions that come with AST software for proper installation. AST uses a "Key Teacher" program to assign keys to the MCDU software. Also, the ICFG program will allow you to adjust the screen

http://www.airsimtech.eu/

NOTE: You need to choose the "No window" in the Drop-Down menu. Be sure that the MCDU software is **NOT** running when using the "Key Teacher" tool.

Limited support is available to AST currently, FDS does not have any software set-up for testing purposes.



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10.0 Project Magenta CDU Setup

FDS-CDU Software is located here:

http://www.tekworx.ca/downloads.html

CDU software v3.1.5 LINK

Open the software; it will appear down by the clock in the Task Bar.



- 1) Right click on the ICON and select Configure.
- 2) Select *Project Magenta* from the drop-down menu.
- 3) Click on SAVE.
- 4) Right click on the ICON and select EXIT.

CDU Controller Test Madula		
Sim-Avionics AST Airbus MCDU AST Airbus MCDU - No Windo Level-D FMC - FS9 Level-D FMC - FS9 Level-D FMC - FSX Project Magenta Airbus CDU Project Magenta Boeing CDU Project Magenta Boeing CDU CDU Controller Test Module	(No Window) I/FMC I/FMC (No Window)	Cancel
Misc	NOTE: Double click item assigni	ment to change.

Fig.26

10.1 Project Magenta Special Notes

The RCDU software requires the *Project Magenta* (No Window) when configuring the FDS-CDU software. (Fig.26)

http://www.projectmagenta.com/resources/MagentaDoc11.pdf CDU Information starts on Page 30. Set-up and INI file information can be found in this document. Follow the instructions provided.

<u>NOTE:</u> there is no longer any support for Project Magenta especially the RCDU set-up. FDS does not have any of the PM software to be able to test or support.



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11.0 iFly CDU Setup (B737 Only)

http://www.flightdecksolutions.com/pcupload/FDS-CDU-iFly-Module-v1.0.zip

Follow instructions below. Install FDS-CDU-iFly-Module software <u>after</u> FDS-CDU Controller Software.

11.1 iFly Installation Steps

1. First, you will need to download and install the FDS CDU Controller software from

http://www.tekworx.ca/downloads.php

FDS-CDU ver 3.1.5 LINK

*This is the main controller software required to interface the hardware to any software.

- After successfully running FDS-CDU iFly Module v1.0.exe the installer has made the changes to allow the CDU Controller to interface with the CDU on the FSX iFly aircraft. What did the installer do :
- You will find a new folder : **\FDS iFly Interface\CDU**

This contains **iFlyCDU.dll** which is the iFly addon module for the CDU Controller software.

• A Registry entry is also added during the installation to register the iFlyCDU.dll with the CDU Controller software:

HKLM\Software\TEKWorx Limited\FDS-CDU\Extra Modules\iFly

3. Now all of the components have been installed you need to assign the connected CDU's as either Captain or FO in the CDU Controller software.

To do this you should connect the CDU's to you computer via the USB cables and run the CDU Controller software – **FDS-CDU.exe**



It will show as an icon in the sys tray on the taskbar (down by the clock) (Fig.27)

Fig.27

. Now Right-Click on the icon and select "Configure" from the popup menu. (Fig.27)

iFly should be available and selected in the "Available Modules" dropdown menu. One or Two devices will be displayed in the Assignment window depending on how many CDU's you have connected. Using the *Assignment* dropdown menu, you can select Captain or FO.

By pressing some keys on one of the

CDU's, you should see Keypresses shown in the *Input Location Data* box. This will help you to differentiate between two CDU's

Press Save

Then Right-Click on the CDU Controller icon again and select Exit

You have now configured the CDU Controller Software

http://www.flightdecksolutions.com/pcupload/FDS-CDU-Module-iFly-Manual.pdf

Limited support is available to AST currently, FDS does not have any software set-up for testing purposes.



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12.0 Nav Data (Navigraph)

The necessary files that are required for the CDU to have the latest data are available here:

http://www2.navigraph.com/www/default.asp

FMS Data page:

http://www2.navigraph.com/www/fmsdata.asp

Scroll down to the appropriate Avionics Suite and select the file. You need to have a subscription to download the latest files.

12.1 Note: Software suites do not come with the latest Nav Data installed. For more info: <u>http://www2.navigraph.com/www/fmsdata_about.asp</u>

Self-Installing software.

*Consider purchasing the "Ultimate Package" for Full Airport Charts and Nav Data.



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13.0 FAQ Frequently Asked Questions

13.1 I can't get the CDU to work at all.

Don't panic, do you have the VGA, USB and 12V power connected?

Have you installed and configured the FDS-CDU or Avionics software?

Have you used the FDS-CDU software Test Module?

Have you read the manual?

13.2 The display doesn't look right.

This is a Windows setting. You need to go into the Display Adapter Properties in the Display Settings. "List all Modes"

Check the Frequency (Hertz) in the Video card settings. Some configurations (ie: video cards, settings etc) need to be adjusted.

Change the hertz from 60 to the next one and try. Several to choose from.

Also check if you should use 800 x 600 or 1024 x 768. More hertz settings in there.

We haven't found the exact method to get the right setting. Seems to change by computer. We will update the manual once we sort that out.

13.3 Can I run 2 CDU's on 1 PC?

Yes, you can with Sim-Avionics and ProSim. Only change the CDU config file to start the FDS-CDU software in the Captain's CDU. Select each CDU in the CDU Configuration menu.

Project Magenta currently you <u>cannot</u> run the RCDU unless it is the "Top Window". Testing has shown you will need a second PC. Mirroring a Pedestal CDU from the Captain's CDU is an option for B747 and B777. (A VGA amplifier will be required)

Sim-Avionics allows multiple CDU's running independently allowing the 3 in a B777...

13.4 I don't see the software CDU on my Screen

You need to drag the software CDU screen over to the actual CDU Hardware screen.

Common installation step that is missed.

13.5 The screen shows "No Sync"

"No Sync" on the CDU screen means there is no video Connection. Check the cables and /or adapters being used.

If you see "No Sync" on the FDS-CDU Test Module that is normal and does not reflect what you will see on the CDU Hardware. It Indicates the screen is turned "ON".