1. Installing IP-001

The connection between IP-001 and your PC can be through a USB or RS-232 interface. We recommend using a USB connection.





2. Installation of IP Programming software You will need to install the USB driver and software program. This is available from the CD that comes with the IP-001 or you can download the latest version from the Alcad website <u>http://www.alcad.net/en/support/downloads.php</u>

Select the menu "TV Equipment firmware upgrade" for the program.

Install the software by clicking the "install.exe" file.



3. Connecting IP-001

Once USB driver and Flash Programmer Software have been installed on your PC, please reboot you PC to enable USB driver has been installed.

Connect the IP-001 Flash Interface to the 20 pin power supply line which can be seen below.



4. Programming the Modules

Once you have connected the Flash programmer please ensure the following:

Ensure IR communicator slide switch is set to the "OFF" position, amber LED will be off.

Open the IP-Flash programmer application and the window below will pop up on your screen.

Check Devices	ID	ADDRESS	TYPE	DATE	Fw
Program Devices					
Stop					
Release Devices					

You then need to select the type of communication you are using "USB" or "COM1" "COM2"...... This selection can be made by clicking on the drop down box "**Serial Connection**" which can be seen below.

erial Connection -	- Fir	mware File—		
USB 💌	Г		Bro	wse
USB		-		
100112			 	

Once you have selected the serial connection click on "Check Devices" which talks to each module that is on the power supply line and brings up position of device, address, date, firmware version and obviously the type of device.

A IP-001 Flash Programm	ner						×
Serial Connection	Fir	mware f	ile –	3	- Dem		
		8			DIO	vse	
Check Devices	ID	ADDR	ESS	TYPE	DATE	FW	
Program Devices	1 2 3 4 5	01000 01000 01000 01000 01000	057 033 032 020 04f	TP-561 - TP-561 - TP-561 - TP-561 - TP-561 -	(12/0E/2003 (04/0E/2003 (04/0E/2003 (28/0E/2003 (06/0E/2003	i) - v1.3 i) - v1.3 i) - v1.3 i) - v1.3 i) - v1.3	
Stop						5	
Release Devices			тዞ	his show	s that the	ro aro s	devices
5 Devices Checkec	10101218		th	lat have	been che	cked, th	erefore 5
			m po	odules s ower sup	hould be oply cable	connec e	ted on the
	ĺ	Clos	Э				

Select the devices you wish to upgrade

Check Devices	ID	ADDRESS	TYPE	DATE	FW
and the second second second	1	01000057	TP-561 -	(12/06/2003	1 - v1.3
	2	01000033	TP-561 -	(04/06/2003	1 · v1.3
· · ·	3	01000032	TP-561 -	(04/06/2003	1 · v1.3
Piogram Devices	4	01000020	TP-561 -	(28/05/2003	1 · v1.3
	5	0100004f	TP-561 -	(06/06/2003	1 · v1.3

Once the modules you would like to upgrade firmware to have been selected you will need to navigate to where the firmware file is located on your computer by clicking on the "Browse" button.

Serial Connection	Fir	rmware File —		- 2000 10 - 2000	
USB 💌	1			Bro	wse
	-				
Check Devices	ID	ADDRESS	TYPE	DATE	FW
Check Devices	ID 1	ADDRESS 01000057	TYPE TP-561 -	DATE (12/06/200:	FW 3) - v1.3
Check Devices	1D	ADDRESS 01000057 01000033 01000032	TYPE TP-561 - TP-561 -	DATE (12/06/200) (04/06/200)	FW 3) - v1.3 3) - v1.3
Check Devices	ID 1 2 3 4	ADDRESS 01000057 01000033 01000032 01000020	TYPE TP-561 - TP-561 - TP-561 - TP-561 -	DATE (12/06/200: (04/06/200: (04/06/200: (28/05/200)	FW 3) - v1.3 3) - v1.3 3) - v1.3 3) - v1.3

Once the "Browse" button is selected a navigation window pops up to allow you to locate where firmware file is located.

Abrir			? X
Buscar G	⊇ ip-001		* 💷 •
TP561_v	13.out		
Nombre de archivo:	TP561_v13.out		Abrir
Tipo de	Image Files (*.out)	-	Cancelar
archivos.	🗖 Abrir como sólo lectura		

Once this has been selected the press the "programming devices" button which will start the firmware upgrade.

		niware File D:\ip-001\TP	561_v13.0	ou Brou	wse
Check Devices	ID	ADDRESS	TYPE	DATE	FW
	1	01000057	TP-561 -	(12/06/2003	3) - v1.3
Pingram Doutings	3	01000033	TP-561	(04/06/2003)	3) - v1.3 3) - v1.3
Hogram Devices	4	01000020	TP-561 -	(28/05/2003 (05/05/2003	3) - v1.3 3) - v1.3
Stop		0100004		100/00/200	.,
Release Devices					
ownloading to Device 2					

Indicator bar shows percentage of upgrade process.

Once all the modules have been fully programmed a message will be displayed "Devices Programmed Successfully".

WARNING: If power or connection is lost during updating process modules will jam or become corrupt. Modules need to be sent back to ALCAD for repair.