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Media Pro 4000 Brief Date: January 16th 2002
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Module: ICM-4020E and MP4000
Title: MediaPro EtherNet Configuration Quick Start Guide
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This brief is intended for Control Engineers and Technicians who are installing, programming and maintaining a MediaPro Control System that communicates on an Ethernet network. It is assumed that you have some understanding of MediaPro 4000 Systems, Show Control, Ethernet IP Networking and Windows PCs.

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Comparison identification Access Control The Individing getwork: comparison as initiated The Individing getwork: comparison as initiated Control Network (IIISA (ICSOB/)/CSOBb) inISA mode The Individing Protocol The Individing Protocol The Individing Protocol Add. Remove Properties Primary Network, Logan Efer and Print Sharing . The Individing Protocol	CEP/IP Properties 2 x Bindings Advanced NetBIOS DNS Configuration Badeway: WINS Configuration P Address AnIP address can be submittedly assigned to this computer. P pour rehinest does not automatically assigned to this computer. P address can be submittedly assigned to this computer. P pour rehinest does not automatically assigned to this computer. P address. and then type it in the space betw. C Distin an P address automatically # Specify on IP address IP Address: 192.168.0 202 Sydenat Made: 255.255.255.0
Decipiton TCP/IP is the polacid you use to connect to the Internet and wide ease notworks. OK Concel	OK Cancel

PC TCP/IP Network configuration:

In Windows, open <u>Start</u>, <u>Settings</u>, <u>Control Panel</u>, <u>Network</u>.

Select the <u>TCP/IP</u> protocol for your Ethernet adapter and click on <u>Properties</u> (If there is more than one TCP/IP Select the one for the Ethernet Adapter, NOT the dial-up adapter).

Make note of at least the <u>IP Address and Subnet Mask</u> (they will probably have to be reentered to connect to your office LAN again. For insurance you may want to make note of the Gateway and DNS settings also.)

Select the <u>IP address TAB</u>. Set "<u>Specify an IP address</u>" Fill in the <u>IP</u> address with [192.168. 0.202] Fill in the <u>Subnet</u> Mask with [255.255.255. 0]

Close the dialogs by clicking <u>OK</u>. A message may pop up "You must restart your computer before the new settings will take effect". {Usually 95,98,ME will have to reboot and NT, 2000, XP won't have to reboot.}

Serial Port	Printer Port / Address
С СОМ 1	C LPT 1 0x378 💌
🔿 СОМ 2	C LPT 2 0x278 -
О СОМ З	C LPT 3 0x3BC -
C COM 4	
✓ 115,200	C Lan C Wan
 Disable 	192 . 168 . 0 . 100
AN Connection	n Select
	2

Run the MP4000 software.

Disable the MP4000 comm port: Select OPTIONS, COMMUNICATIONS.

Select <u>Comm Disable</u> and click <u>OK</u> to close the dialog. (Just for now, we will change it later)

Name New Sł	how			? ×
Save jn: 🔂	ThemeParkMagic	-	🖻 💆	
ThemePark 🕈	«Magic.SHW			
J File <u>n</u> ame: Save as <u>t</u> ype:	ThemeParkMagic.shw		¥	<u>S</u> ave

Create a New MP4000 Show: Select <u>FILE</u>, <u>NEW</u>.

Choose an appropriate directory e.g. <u>C:\MP4000\Shows\ThemeParkMagic\</u>

Supply the show's name e.g. <u>ThemeParkMagic.shw</u>, and click <u>SAVE</u>.

(Cue Edit ICM Port Contigure	tion Ethernet Config ICM Animation Configuration	ICN Online
Maintenance Ethernet Configur	sion	
Nainfenance IP Basis	192 . 168 . 0 . 100	
Haintenance Subnet Mack:	255 . 255 . 255 . 0	
Default Gateway IP:	192.168.0.1	
NPN et El hernel Conliguration		
MPNet IP Base:	192 . 168 . 0 . 10	
	255 255 255 0	
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ICM-4020E IP configuration:

In the network window tree view, select the <u>Rack 0, PSIt17: ICM-4020</u>, and double (left) click.

Select the <u>Ethernet Config Tab</u>. {Although the EtherNet Config tab only exists in Rack 0's config screens, the information entered is included in the config download to all racks.}

The Defaults for a new show should be:

 Maint IP Base:
 [192.168.0.100]

 Maint Subnet:
 [255.255.255.0]

 Maint Gateway:
 [192.168.0.1]

 MPNet IP Base:
 [192.168.0.10]

 MPNet Subnet:
 [255.255.255.0]

 (If an existing show is reconfigured for Ethernet, enter the information as provided above.)

Close the dialogs by clicking OK.

Connect an ICM-4020 Serial Programming Cable between the Maint Ser (port 1) of an ICM-4020E and the PC's RS232 Serial Port.

ine Communic	ations Setup
Serial Port	Printer Port / Address
• COM 1	C LPT 1 0x378 💌
C COM 2	C LPT 2 0x278 💌
C COM 3	C LPT 3 Ox3BC -
C COM 4	
☑ 115,200	Ethernet Port Base IP
Comm	
C Disable	192 . 168 . 0 . 100
LAN Connection	Select
Cancel	ОК

Download the Ethernet configuration via the serial port: Select <u>OPTIONS</u>, <u>COMMUNICATIONS</u>.

Select Comm 1 (or the appropriate serial port) and click OK to close the dialog.

When the Rack 0, PSIt17: ICM-4020 is selected; in the right side window you should see the ICM's firmware versions if serial communications is working properly.

<u>File E</u> dit ⊻iew <u>O</u> ptions <u>H</u> elp		
	<u>୧</u>	
Network	Device Information	^
- @Show Info	ICM-4020 Selected in Rack 00, Slot 17.	
	Module installed on 12/11/01 at 16:03:05	- 1
Slot 00: None	MODULE FIRMWARE	
Slot 01: None Slot 02: None	ICMBT231.COD - 03/22/00 15:20	
Slot 03: None	3225121G.COD - 12/06/2001 13:23	
Slot 04: None	COMMENT SECTION	
Slot 05: None	N	
- Slot 06: None	NewILM	-
		Þ



Double (left) click on the ICM.

Select the ICM Online Tab.

Select Config and click Download.

After the download is complete, click OK.

Connect the PC directly to the ICM-4020E Ethernet Maint Port:

Connect one end of an Ethernet Crossover Cable to the Maint ENet port of an ICM-4020E. Connect the other end of an Ethernet Crossover Cable to the PC's Ethernet Network Interface Connector. A crossover/flip cable will have pin 1 crossed to 3 and 2 crossed to 6 end to end.

Online Communic	ations Setup
Serial Port C COM 1 C COM 2 C COM 3 C COM 4 I 115,200 Comm C Disable	Printer Port / Address C LPT 1 0x378 C LPT 2 0x278 C LPT 3 0x3BC Ethernet Port Base IP C Lan Wan 192 168 0 100
LAN Connection	Select
Cancel	OK

Select OPTIONS, COMMUNICATIONS.

Select LAN.

Fill in the IP address field with the Maint IP Base: [192.168. 0.100]

Click OK to close the dialog.

When the Rack 0, PSIt17: ICM-4020 is selected; In the right side window you should see the ICM's firmware versions if Maint Ethernet communications is working properly.

🍰 ThemeParkMagic.SHW - M	P4000	_ 🗆 ×
<u>File E</u> dit <u>V</u> iew <u>O</u> ptions <u>H</u> elp		
	3 ?	
Network	Device Information	<u> </u>
- @Show Info	ICM-4020 Selected in Rack 00, Slot 17.	
B-Rack 00	Module installed on 12/11/01 at 16:03:05	
Slot 00: None	MODULE FIRMWARE	
- Slot 01: None - Slot 02: None - Slot 03: None	ICMBT231.COD · 03/22/00 15:20 3225121G.COD · 12/06/2001 13:23	
Slot 04: None	COMMENT SECTION	
- Slot 06: None	New ICM	-
4		
Ready	NUM Rack 00 ICM I	E-LAN

Continue as you would if you were using the serial or parallel port.

Note: ICM firmware cannot currently be downloaded via Ethernet.

Other modules' firmware and config can be downloaded via Ethernet, as well as ICM config, cues and animation.

For more information, see the following references:

http://anitech-systems.com/ Anitech System's Web Site http://anitech-systems.com/MP4000/manual/ Manuals http://anitech-systems.com/MP4000/manual/briefs/ Briefs

Check with your IT Network System Administrators

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