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Media Pro 4000 Brief              Date: November 2nd 2001
  File: SEM-ICM-4020_RS232_DF1_EZ-Touch_PanelView_BR110201.pdf
Module: ICM-4020 and SEM-4020
 Title: Interfacing the Automation Direct EZ-Touch Panel View
        to a SEM or ICM via RS232 DF1
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Media Pro 4000 (MP) SEM-4020 Port 7 Pinout (ICM & other SEM ports would be similar)

ICM/SEM Signal	Harting DIN 48F Pinout		ICM/SEM Port	RJ-11-6 Jack Pinout	Device Pinout		Device
CTS<	d	30	7	3			DA15M
TXD>	d	32	7	4	RXD	3	EZ-Touch
RXD<	b	30	7	5	TXD	2	PanelView
RTS>	b	32	7	2			PLC-Port
Ground-	z	30	7	6	Ground	5	Using
Power+	z	32	7	1			RS232

Cat 5 unshielded twisted pair cable is recommended for distances over 50 feet (tested to 1000')

Media Pro 4000 SEM-4020 Port 7 configuration (ICM & other SEM ports would be similar)
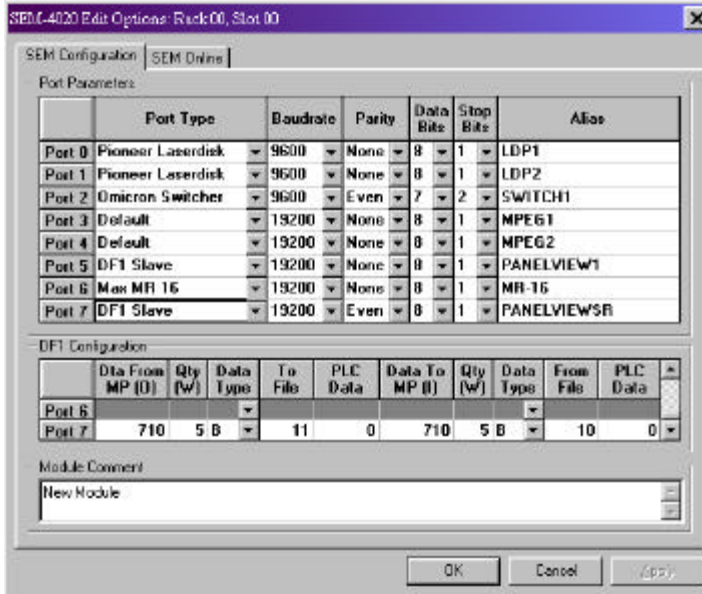
Port Type: **DF1 SLAVE** (NOT DF1 PLC5, NOT DF1 SLC 500)
 { only one port is necessary per PV}
Baud Rate (19.2k), Parity (Even), Data Bits (8), Stop Bits (1),
 Error Correction (BCC):Hard Coded

Data From Media Pro Output (channel base): **710**
 (choose the 1st output ch you want to send to the PV)
Quantity of contiguous sending Words: **5** (64 max)
Data Type: **B** (set to the desired file type in the PV)
 To File: **11** (set to the desired file number in the PV)
PLC Data: **0** (offset into PV file)

Data To Media Pro Input (channel base): **710**
 (choose the 1st input ch you want to receive from the PV)
Quantity of contiguous received Words: **5** (64 max)
Data Type: **B** (set to the desired file type in the PV)
 To File: **10** (set to the desired file number in the PV)
PLC Data: **0** (offset into PLC file)

Note: The number of elements (Words) must be equal to or larger than the size requested by the PanelView.
 {or the PV will get errors, the data will be undependable, and the communications ragged}

Note: Maximum Data transfer rate is approximately 10 times a second. The quantity of words sent & received may slow this down.

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Automation Direct EZ-Touch Panel View (PV)
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PLC Type: **Allen Bradley SLC 500**   Protocol: **DF1 (Full Duplex)**
Baud Rate: **19,200**   Parity: **Even (EZ-Touch Default)**   Stop Bits: **1**
Transmit: **RS232**   Checksum Type: **BCC**
Timeout(s): **30** 10ths (3 seconds)   Poll Time: **0** 10ths

TagDatabase

PlcType: Allen-Bradley SLC 500 DF1(Full Duplex)

Sl.No	Tag Name	Data Type	PLC Address	Number of charcters
**1	FT VIDEO ROCKWELL REQ	DISCRETE	B10:0/0	0
2	LEFT VIDEO ASI REQ	DISCRETE	B10:0/1	0
3	LEFT STOP VIDEO	DISCRETE	B10:0/2	0
4	LEFT VIDEO ROCKWELL P	DISCRETE	B11:0/0	0
5	LEFT VIDEO ASI PLAYING	DISCRETE	B11:0/1	0
6	LEFT VIDEO RUNNING	DISCRETE	B11:0/2	0
7	SYSTEM READY	DISCRETE	B11:0/3	0
8	LEFT VID MINS	UNSIGNED_INT_16	B11:1	0
9	LEFT VID SECS	UNSIGNED_INT_16	B11:2	0
10		DISCRETE		0

Note: The elements requested must be included in the files defined in the MP SEM/ICM.
 (ie B10 & B11, 5 words each: B10:0/0 through B10:4/15 & B11:0/0 through B11:4/15)
 {or the PV will get errors, the data will be undependable, and the communications ragged}