



ESC-2/ESC-2+ Ethernet to Serial Adapter Set Up and Programming

NOTE:

*Update your Integration Designer software to the latest version. *Verify you have the latest firmware on your XP processor.

Step 1: Add the ESC-2 as an expansion device in your programming file.

- Select the XP Series Processor
- Click on the Expansion tab
- Click on "Add Expansion Device"
- Select the ESC-2 from the expansion device window.

PLEASE NOTE:

When adding the ESC-2/ESC-2+ as an expansion device in the Integration Designer software, there is only one selection for the ESC-2/ESC-2+ expansion device labeled ESC-2. This will work for both the ESC-2 and ESC-2+ models.

File Device Edit Options Communications Library Window Help	
[발행] · · · · · · · · · · · · · · · · · · ·	
System Workspace	Library Browser
ESC-2 XP-6	Motorola Cable Box OIP 72161
Add Expansion Device 1 % Edit Expansion Device 1 % Delete Expans	Output: <button default="" unchanged=""></button>
	< Assign Numbers Automatically >
	0
	2
	3
	5
	6
	8
	9
System Macros Events Expansion Drivers	A
	Select New Remote
	nt IR 🔽 RS-232 🗬 Drivers 🗇 Objects 🗮 Bitmaps
/ 🗆 X A 📽 Q & &	
For Help, press F1	NUM

Step 2: Add the MAC address or Hostname / IP address.

- The MAC address is printed on the ESC-2/ESC-2+.
 See the next page for assigning the ESC-2/ESC-2+ network connections.

Edit ESC-	2		X
Name:	My ESC-2		
Addres	S		
() M	AC Address:	00:16:26:04:A0:22	1
© He	ostname / IP Address:		
	ОК	Cancel]

Control System [ESC-2	XP-6] *	
Add Expansion Device	Substantiation Bevice	🔍 🔍 Delete Expans
My ESC-2 ESC-2 00152604A022		
System Macros Events	Expansion Drivers	

^This is how it will appear in the Expansion Tab of the XP processor

Step 3: Programming commands using the ESC-2/ESC-2+

For RS-232 one way strings.

- Right click on the button with you serial command.
- Select Edit Properties
- Select the RS-232 tab
- Click on the Output Settings drop down arrow and select the correct port of the ESC-2/ESC-2+.

Button Properties
General Output Variables Driver Command R5-232 Image Text
Serial Communications Settings
Baud Rate: 2400 Parity: None
Data Bits: 8 V Stop Bits: 1 V
Output Settings
Delay between characters: 0 🚖 milliseconds
Sustain
Delay between repeats: 0.0 x seconds
Output Port:
[OH-232] Port 1 RS-232 String (CH-232] Port 2 (CH-232] Port 3 Hex (CH-232] Port 4 [CH-232] Port 5 [CH-232] Port 6 [CH-232] Port 1 [RS-232] Port 1 [RS-232] Port 1 [RS-232] Port 1

For Driver Commands:

- Select your driver in the Driver tab of the XP Processor
- Make sure the connection type is set to Serial
- Change the Serial Port to the correct ESC-2/ESC-2+ serial port.



Step 4: Adjust Ethernet Settings of ESC-2/ESC-2+ if necessary

Find the ESC-2/ESC-2+ device on the local area network and open the Web Interface

NOTE: This process may vary depending on your version of Microsoft Windows®

- Press the Start button on the Windows task bar
- Click on the "Control Panel" option listed in the Start Menu
- Click on Network and Internet
- Click on Network and Sharing Center
- Click on the Domain Network
- Scroll down to Other Devices
- Double click the ESC-2/ESC-2+ in the network list to open web interface
- Select Network Settings

Status & Configuration Imme Revision RTI ESC-2+ Imme Revision 100.11 Imme Revision 100.11 IPAddress 0.00.202 Imme Revision 100.12 Imme Revision RTI ESC-2+ IPAddress 0.00.202 Imme Revision 100.11 Imme Revision Imm	Ets Under Control				RTI ESC-2+
Home Name RT ESc.2+ Verwork 100.11 IP Address 100.0202 MAC Address 00.15-26-04-82-03 Current port settings: Port 1 Port 2 Baud Rate 115200 bits/second Baud Rate 115200 bits/second Baud Rate 115200 bits/second Parity None Parity None Stop Bit 1 bit(s) Stop Bit 1 bit(s) Flow Control None Local Teinet Port Number 23		Status & Configuration			
Port 1 Port 2 Baud Rato 115200 bits/second 115200 bits/second Data Size 8 bits/character 8 bits/character Panty None None Stop Bits 1 bit(s) 1 bit(s) Control None None Local Teinet Port Number 23 26	Home Network Settings	Name: RTI ESC-2+ Firmware Revision 1.00.11 IP Address: 10.0.202 MAC Address: 00-15-26-04-82-D3 Current port settings: Current port settings:			
Baud Rate 115200 bits/second 115200 bits/second Data Sizo 8 bits/character 8 bits/character Parity None None Stop Bits 1 bit(s) 1 bit(s) Flow Control None None Local Telnet Port Number 23 26			Port 1	Port 2	
Data Size 8 bits/character 8 bits/character Parity None None Stop Bits 1 bit(s) 1 bit(s) Flow Control None None Local Telhet Port Number 23 26		Baud Rate:	115200 bits/second	115200 bits/second	
Hamily None None Stop Bits 1 bit(s) 1 bit(s) Flow Control None None Local Telhet Port Number 23 26		Data Size:	8 bits/character	8 bits/character	
Step lots 1 bit(s) Flow Control None Local Telnet Port Number 23		Panty:	None	None	
Local Telnet Port Number23Port		Stop Bits.	1 DR(S)	1 Dit(S)	
		Local Telnet Port Number.	23	26	

^ESC-2+ Web Configuration Interface

Also, while it isn't necessary or recommended, you can change the address type from DHCP to static as shown by hitting the drop down arrow. Once static is selected you can input the static connection settings. After making the changes, select "Update Settings".

PLEASE NOTE: If the incorrect IP address settings are entered, the ESC-2/ESC-2+ may not connect to the network and changes to the ESC-2/ESC-2+ will not be possible, rendering it inoperable. In this case, follow instructions below to reset the ESC-2/ESC-2+ back to factory default using the "RESET" button.

REC.	RTIE	SC-2+
	Network Settings	
Home	Name RTIESC-2+	
Network	Firmware Revision: 1.00.11	
Settings	IP Address 10.0.0.202	
	MAC Address 00-15-26-04-B2-D3	
	IP Address Selection	
	Address Type DECEMAND *	
	State IP	
	Subnet Mask: 255 255 0	
	Default Gateway 0 0 0 0 0	
	Update Settings	

RESET ESC-2+ TO FACTORY DEFAULTS (Applies to ESC-2+ only)

If the ESC-2+ is not functioning or is not accessible via the Ethernet network (LAN), it may be necessary to "Reset" the unit to factory defaults. This process will clear all of the settings that have been adjusted and set the unit back to use DHCP.

1) Power the ESC-2+: Plug in the included power supply.

2) Press and hold the RESET button for 6 seconds: Reset button is located on the bottom side.

3) Re-install the ESC-2+:

MORE INFORMATION:

For more information regarding the ESC-2/ESC-2+ including specifications and other documentation, visit the product support section of the RTI dealer website.