3 Become Familiar with Available Communication Ports
The C-more Micro-Graphic panel includes a built-in RS-232 serial communications port (RS-232) used to communicate with a PC during project development and later with a PLC communications interface. There is also an optional EA-MG-PGM-CBL RS-232–RS-422–RS-485 I/O Adapter (RS-232). This adapter must be connected to a RS-232–RS-422–RS-485 I/O Adapter (RS-232). This adapter must be connected to a PLC with a serial communications port to enable you to use the RS-232 communications port.

4 Install C-more Micro-Graphic Panel
The C-more Micro-Graphic panel can be mounted as an add-on device using the template provided with the panel or using the dimensions shown in Figure 4. A 26-foot long cable is included with the panel.

5 Install the Software and Develop a Project
Following are the minimum system requirements for running C-more Micro-Graphic Programming Software, EA-MG-PGM-CBL on a PC:

- Windows XP, Windows Vista, or Windows 7
- 2 GB of RAM
- 5 GB available hard disk space
- .NET Framework 3.5 SP1 or later
- 256 MB of video RAM
- 1024 x 768 display resolution
- USB port

6 Connect C-more Micro-Graphic Panel to Computer
To connect the C-more Micro-Graphic panel to a PLC, follow these steps:

1. Open the EA-MG-PGM-CBL Programming Cable Assembly, EA-MG-PGM-CBL-CHL, and connect it to the PLC.
2. Open the C-more Micro-Graphic Panel to PLC Drivers, EA-MG-PGM-CBL-CHL, and connect it to the PLC.
3. Open the C-more Micro-Graphic Panel to PLC Drivers, EA-MG-PGM-CBL-CHL, and connect it to the PLC.
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9. Open the C-more Micro-Graphic Panel to PLC Drivers, EA-MG-PGM-CBL-CHL, and connect it to the PLC.
10. Open the C-more Micro-Graphic Panel to PLC Drivers, EA-MG-PGM-CBL-CHL, and connect it to the PLC.

Accessing the C-more Micro-Graphic Panel Setup Screens
To access the Setup Menu of the C-more Micro-Graphic panel, follow these steps:

1. Open the EA-MG-PGM-CBL Programming Cable Assembly, EA-MG-PGM-CBL-CHL, and connect it to the PLC.
2. Open the C-more Micro-Graphic Panel to PLC Drivers, EA-MG-PGM-CBL-CHL, and connect it to the PLC.
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10. Open the C-more Micro-Graphic Panel to PLC Drivers, EA-MG-PGM-CBL-CHL, and connect it to the PLC.

Additional Help and Support
For additional help and support, please visit our website or contact us directly. Our team of experts is dedicated to ensuring your success with the C-more Micro-Graphic panel and your PLC projects.
### C-more Micro-Graphic Panel Specifications

**6 and 20 Button Keypad Bezel**

<table>
<thead>
<tr>
<th>Function Key</th>
<th>8-Button Bezel</th>
<th>20-Button Bezel</th>
</tr>
</thead>
<tbody>
<tr>
<td>Panel Mounting Gasket</td>
<td>EA-MG-BZ1-GSK</td>
<td>EA-MG-BZ2-GSK</td>
</tr>
</tbody>
</table>

**Panel Mounting Gasket**

- EA-MG-BZ1-GSK (Replacement mounting gasket for EA-MG-BZ1)
- EA-MG-S3ML-GSK (Panel Mounting Gasket)

**Panel & Keypad Bezel Assembly Example**

- C-more Micro-Graphic Panel
- C-more 3" Micro-Graphic
- C-more 3" Micro-Graphic Panels

**USB to RS232 Programming Cable Assembly**

- USB Interface
- RS-232
- RS-422
- RS-485

**DC Power Adapters**

- EA-MG-12V-CL (DC Power Adapter)
- EA-MG-12V-CL (Serial Port w/ DC Power Adapter)
- EA-MG-12V-CL (DC Power Adapter w/ Expansion Connector)

**Clear Screen Overlay**

- Overlay Cone Installation
- Step 2: Peel Protective Film
- Step 3: Apply Cone
- Step 4: Remove Protective Film

**C-more Micro-Graphic Panel Dimensions (all models)**

- Dimensions: 3.469 (88.1) x 4.237 (107.3) x 1.786 (45.4) mm

**Replacement Parts**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>EA-MG-12V-CL</td>
<td>DC Power Adapter</td>
</tr>
<tr>
<td>EA-MG-12V-CL</td>
<td>Serial Port w/ DC Power Adapter</td>
</tr>
<tr>
<td>EA-MG-12V-CL</td>
<td>DC Power Adapter w/ Expansion Connector</td>
</tr>
</tbody>
</table>

**Contact Information**

- Serial Port w/ DC Power Adapter (RS-232, RS-485)
- USB Interface (USB 2.0)
- Connectors (DB9, RJ45)
- Panel Mounting Gasket (EA-MG-BZ1-GSK, EA-MG-S3ML-GSK)

**Connection Information**

- USB Interface: Connect to a standard USB port on a computer or USB hub.
- RS-232: Connect to a serial device using a standard RS-232 connection.
- RS-485: Connect to a serial device using a standard RS-485 connection.

**Panel Dimensions (all models)**

- Panel Size: 200 x 150 mm
- Panel Mounting Gasket: EA-MG-BZ1-GSK, EA-MG-S3ML-GSK

**Environmental Information**

- Temperature: –20 to +60 °C
- Humidity: 5–95% RH (non-condensing)

**Electrical Information**

- Voltage Range: 4.488 (114.0) mm x 3.228 (82.0) mm x 1.593 (40.5) mm
- Weight: 2.8 oz (80 g)
- Power Consumption: 0.236 (6.0) W
- Current: 1 A for 500 µs
- Voltage: 1–5 VDC

**Physical Information**

- Panel Dimensions: 200 x 150 mm
- Panel & Keypad Bezel Assembly Example: C-more Micro-Graphic Panel & 8 Button Keypad Bezel EA-MG-BZ1

**Mechanical Information**

- Mounting Clip: (2) places
- Panel & Keypad Bezel Assembly Example: C-more Micro-Graphic Panel & 20 Button Keypad Bezel EA-MG-BZ2

**Software Information**

- Firmware Revision: 1.748
- Software Features: Encoder, Keypad, Graphic Panel

**Control Information**

- Keypad Function: Push Button, Switch, Indicator Button, Indicator Light, Graphic Indicator Light, Numeric Display
- User Memory: 5 user defined colors: EA1-S3ML, EA1-S3ML-N- Red, Green, Amber, Lime, and Yellow

**Tools Information**

- Torque Range: 21–28 oz-in (0.15–0.2 Nm)
- Screws: (3) locking tabs
- Protective Film: Remove protective film

**Additional Information**

- Compatibility: C-more Micro-Graphic Panel
- Replacement: EA-MG-S3ML-FKL (pk of 10; 5 blank, 5 F1-F5)