Introduction

Parabit’s Event Messages Receiver (EMR) is a Windows application that displays status messages received by the AXSView Message Transceiver Service. Those messages can be from ACS Enterprise Controller Panels, SkimGard® Card Readers, or Visitor Kiosks, and provide real time updates about system health.

AXSView receives hundreds of panels or kiosk status messages simultaneously, which are then transmitted to the EMR for review and analysis. TCP/IP communication is used between the panels or kiosks, AXSView Service Software, and the EMR to maintain data protection and integrity.

Connecting to the EMR

To connect to the EMR, begin by selecting the EMR desktop icon. The Home screen opens. Ensure the IP Address and Port Number information for the computer running the EMR is correct. If correct, click Connect to open the socket for AXSView to send messages. The Status should update to Listening.

The EMR will begin listening for event messages from AXSView Service. These messages are displayed in the All Panels window, and provide details about the event, panel, IP address, and time received and sent. The data will update in real time with new event messages being added to the list as they are received.

Event information sorted by panel can be viewed on the By Panel screen. The Logging screen displays EMR connectivity information.

Click Clear to clear all data from the screen and Disconnect to end the listening session.

Through the Socket Comm drop-down, you can choose to connect to the AXSView Transceiver or directly to the ACS-1EUL Panel or Visitor Kiosk. If Panel or Kiosk is selected, IP address information must be updated in AXSView.

<table>
<thead>
<tr>
<th>Received</th>
<th>Description</th>
<th>Panel</th>
</tr>
</thead>
<tbody>
<tr>
<td>4/2/2019 9:03:26 AM</td>
<td>Light Sensor Activated</td>
<td>ACS-1EUL</td>
</tr>
<tr>
<td>4/2/2019 9:03:26 AM</td>
<td>Door 1 Open Cleared</td>
<td>ACS-1EUL</td>
</tr>
<tr>
<td>4/2/2019 9:03:22 AM</td>
<td>CR2 Skim Overlay Cleared</td>
<td>ACS-1EUL</td>
</tr>
<tr>
<td>4/2/2019 9:03:11 AM</td>
<td>CR2 Skim Overlay Detected</td>
<td>ACS-1EUL</td>
</tr>
<tr>
<td>4/2/2019 9:03:07 AM</td>
<td>Card Reader 2 NFC Accepted</td>
<td>ACS-1EUL</td>
</tr>
<tr>
<td>4/2/2019 9:03:04 AM</td>
<td>Card Reader 2 Access Denied</td>
<td>ACS-1EUL</td>
</tr>
<tr>
<td>4/2/2019 9:03:04 AM</td>
<td>Suspicious Card Detect</td>
<td>ACS-1EUL</td>
</tr>
<tr>
<td>4/2/2019 9:02:53 AM</td>
<td>HEARTBEAT</td>
<td>AXSView</td>
</tr>
<tr>
<td>4/2/2019 9:02:48 AM</td>
<td>Output Relay 2 Asserted</td>
<td>ACS-1EUL</td>
</tr>
<tr>
<td>4/2/2019 9:02:40 AM</td>
<td>Vagrant Detected</td>
<td>ACS-1EUL</td>
</tr>
<tr>
<td>4/2/2019 9:02:15 AM</td>
<td>Output Relay K3 Asserted</td>
<td>ACS-1EUL</td>
</tr>
<tr>
<td>4/2/2019 9:02:15 AM</td>
<td>CR2 NFC Skim Detect</td>
<td>ACS-1EUL</td>
</tr>
</tbody>
</table>

Settings

The following EMR settings can be configured and updated on the Settings screen:

- **IP Address**: Default IP Address
- **Port Number**: Default Port Number
- **Delay Response**: How long before Ack/Nack message is received from AXSView
- **Ack/Nack Enabled**: Check to enable Ack/Nack messages
- **Socket Comm**: Select Transceiver or Panel as default
- **Heartbeat**: Select text to display for Heartbeat messages (periodic signals indicating normal operation) sent from AXSView to the EMR
- **Auto Start**: Check for EMR to automatically Connect to default settings upon opening the application
- **Font Size**: Select preferred font size
Messages

Event message descriptions can be tailored to your organization’s needs via the Panel Messages screen. Sample event messages from a Visitor Kiosk are shown at right and include:

- Printer Paper Out
- Printer Not Responding
- Card Dispenser Full
- Document Left in Scanner
- Barcode Scanner Not Communicating

Severity can also be selected and adjusted depending on message criticality. Once the descriptions are updated, click Clear on the EMR Home screen. The new event message descriptions and severity information will be displayed.

Prerequisites:
- AXSView Transceiver
- Windows Installer
- Microsoft .NET Framework 4.5 or later
- C++ Redistributable Package 2010

OS, WORKSTATION, SERVER, SQL AND LAN/WAN REQUIREMENTS:

Basic Workstation:
- Intel or AMD CPU (Multi Core) 2.0 GHz+ (example: Intel® Core™ i5-4430 Processor)
- Windows 7, Windows 8 or Windows 8.1, Windows 10
- 4 Gig of Ram
- Hard Drive 60GB+ (minimum of 250megs free)
- Monitor capable of 1024 by 768 resolution
- 10/100/1000Mbs Network Card (TCP/IP)

Basic Server (Up to 20 workstations):
- Intel or AMD Server Class CPU (Multi Core) 2.0 GHz+ (example: Intel® Xeon® Processor E5-4603)
- .NET Framework 4.5+
- 16+ Gigs of Ram
- Raid 1 (or better) Hard Drive for Operating System (+120GB)
- Raid 1 (or better) Hard Drive for Databases (+160GB)
- 10/100/1000Mbs Network Card (TCP/IP)

Advanced Server (21 to 50 workstations):
- Intel or AMD Server Class CPU (Multi Core) 2.4 GHz+ (example: Intel® Xeon® Processor E5-4640)
- .NET Framework 4.5+
- 16+ Gigs of Ram
- Raid 1 (or better) Hard Drive for Operating System (+120GB)
- Raid 5 (or better) Hard Drive for Databases (+300GB)
- 10/100/1000Mbs Network Card (TCP/IP)

The ACS-1EUL Controllers, ACS Enterprise, AXSView Service and AFH Service applications and database are to all be on the same network or have network connectivity over a WAN or LAN. Firewalls and port filters may need to be adjusted to allow open communication with ACS Panels and Applications over the network. A VPN or VLAN configuration is acceptable. ACS Panels do not support outbound message transmission via Modem / Dialup lines.