

Alarm.com Integration with Bold Media Gateway\Universal Connector

01/10/2024 2:32 pm EST

The sample XML/JSON strings shown below were used to create the data mapping

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Svc: TCP/UDP Message Received (10.171.56.9) : <?xml version="1.0"?><Packet ID="117067" SDNIS="8080"><Signal EvType="SIA" Event="OP"><Area>1</Area><User>1</User></Signal></Packet>
```

Create the Connector

- Expand the MediaGateway > Administration > Universal Connector nodes
- Click on Connector, enter the password and click OK
- Click the Add button, the Add a new PBX Server dialog box will display.
 - Connector Type: select TCP from the dropdown list
 - Connector Device Name: enter a descriptive name
 - Click OK
 - In the Begin Message field you need to input the following: <?xml version="1.0"?>
 - In the End Message field you need to input the following: </Packet>

Below is an example of the Connector settings, the Port # may be different – speak with the installer that configured your Alarm.com system

IP Type: TCP Host Name: LOCALHOST Begin Message Value: <?xml version='1.0'?> End Message Value: </Packet>

Connection Type: Listen Port: 10005 UDP Send: 13002 Heartbeat Message: Heartbeat / No Activity (Secs): 30 120

Ack Message: OK

Max Connections: 0

Relative path/filename:

Default Packet:

☐ Save File to Response Directory

☐ Stop Processing After Saving File

☐ Process Send Results

☐ Send Raw Ack Message

Driver Type: Raw

Response Directory:

User Name:

Password:

Input Directory:

This is a raw TCP Socket. Signals can be received in any format

- Select File > Save

Create the Data Mapping

- Expand the MediaGateway > Administration > Universal Connector node
- Click on Data Mapping, enter the password and click OK.
- Click Add, the Add New Field Set dialog displays.
- Name: enter a descriptive name
- Click OK.

Formatting Tab:

The screenshot shows the 'Formatting' tab of a configuration window. At the top, there are buttons for 'Add', 'Remove', a dropdown menu showing 'ALARMCOM', a 'Mapping Type' dropdown set to '>XML/JSON', and a 'Test Studio' button. Below these, there are two sub-tabs: 'Formatting' and 'Pre-processing'. The 'Formatting' sub-tab is active, showing a 'Total Number of Fields' set to 3, a 'Separator' dropdown set to '(NONE)', a 'Signal Type' dropdown set to 'Signal', and an 'Event Type' dropdown set to 'CID'. There are four checkboxes: 'Add subject to start of final signal' (unchecked), 'Add current message body to final signal' (checked), 'Add attachment contents to final signal' (unchecked), and 'Add filename to final signal' (unchecked). To the right, there are two more checkboxes: 'Combine excess data into last field' (unchecked), and two dropdown menus for 'Packet Root Node' (set to 'Packet') and 'Signal Root Node' (set to 'Packet\Signal'). At the bottom, there is a table with columns: Order, Label, Operation, Field, and Value.

Order	Label	Operation	Field	Value
1	ID	Mapped Field	Transmitter ID	
2	Event	Mapped Field	Event code	
3	URL	Mapped Field	URL	

Pre-processing Tab:

The screenshot shows the 'Pre-processing' tab of the same configuration window. It features a 'Regular Expression' input field, a 'with' dropdown menu, and a large text area for configuration. Below this, there is a table with columns: Order, Label, Operation, Field, and Value.

Order	Label	Operation	Field	Value
1	ID	Mapped Field	Transmitter ID	
2	Event	Mapped Field	Event code	
3	URL	Mapped Field	URL	

- Select File > Save

Create the Menu

- Select Menu Items
- Right click Menu configurations
- Click Add
- Input UCSEND in the code field
- Input UCSEND in the description
- Select Universal Connector for the Type
- Select UCSendSignal from the menu on the right and drag it to the UCSEND on the left.
- It should look like the following screenshot:



- Select File > Save

Create the Line Driver

- Within the MediaGateway > Administration node
- Click on Line Drivers, enter the password and click OK.
- Scroll to the bottom of the list to locate the row that begins with an '*'
- Line Driver: select the 'Connector' created in step A
- Description: enter an appropriate description
- Status: 'green' - enabled, 'grey' - disabled
- Line Function: select Universal Connector from the list
- Properties: right click, choose Properties – the Function Properties dialog box opens
 - Name:
 - Field Set: Select your Data map
 - Receiver: select the MGW receiver
 - Line: Not needed unless the customer requests it.
 - Menu: Select UCSEND
 - Lookup: Not needed



- Select File > Save
- Select File > Re-Load & Restart all Devices
 - The Status lights should both be 'green'
- Have the customer send in a test signal and make sure it gets to the FEP.
- Verify the signal shows up in the Raw Data.