

ISS Wrong Way Integration

01/09/2026 5:14 pm EST

Overview

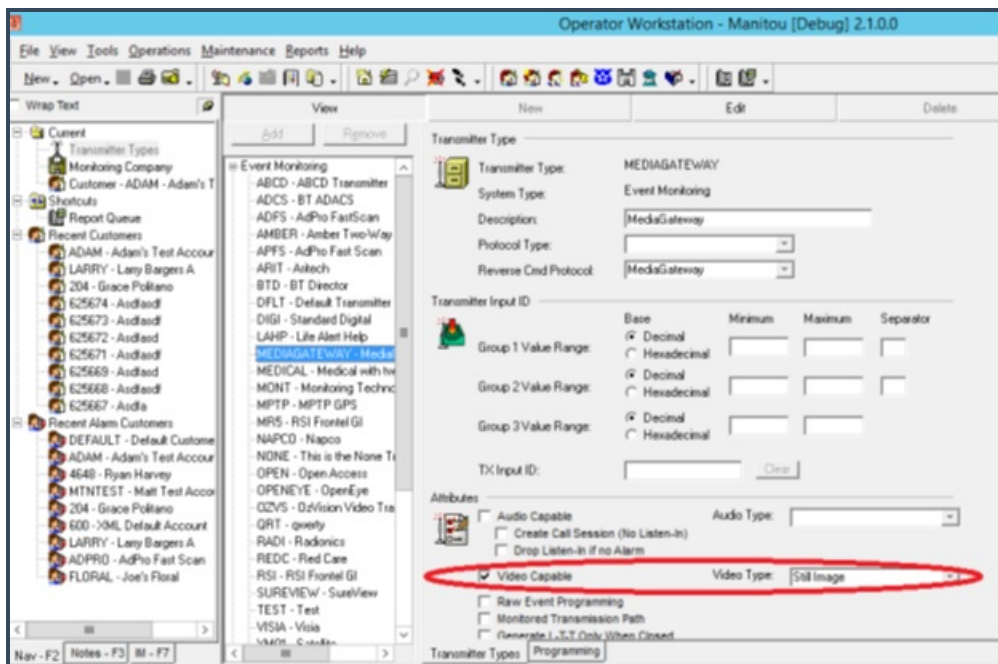
ISS is a company that sells devices that detect if a vehicle is going the wrong way on a road. This device sends a signal via TCP to MG. MG interprets the signal and queries the device and retrieves the image associated with the signal. MG then sends the signal with the image into Manitou. The operator is supposed to verify that there is in fact a vehicle going the wrong way. If so, then the operator is supposed to 1. send an email with the device information and the image to an email address on the account, 2. forward the alarm information to an IP address setup on the account. You can have multiple devices (transmitters) on an account and they will all email and forward to the same addresses.

Manitou Data Setup

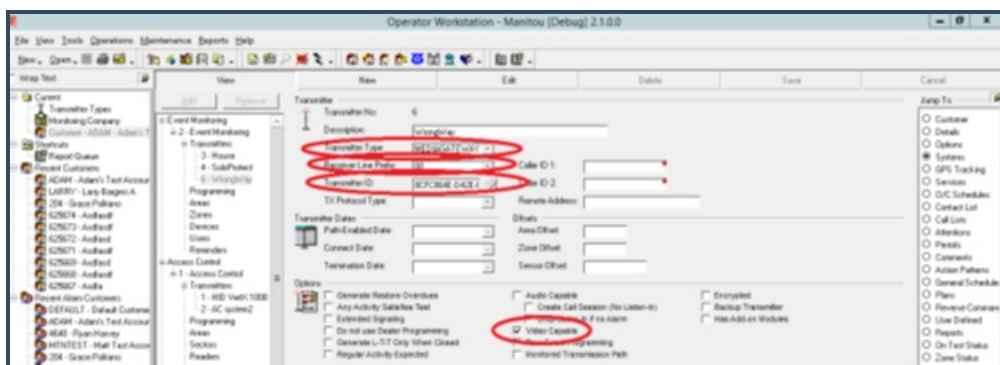
Transmitter Type

Create a transmitter type for the Wrong Way devices.

NOTE: I would make a new one instead of changing the "MEDIAGATEWAY" one like I did. Make sure it is video capable and the video type is "Still Image".

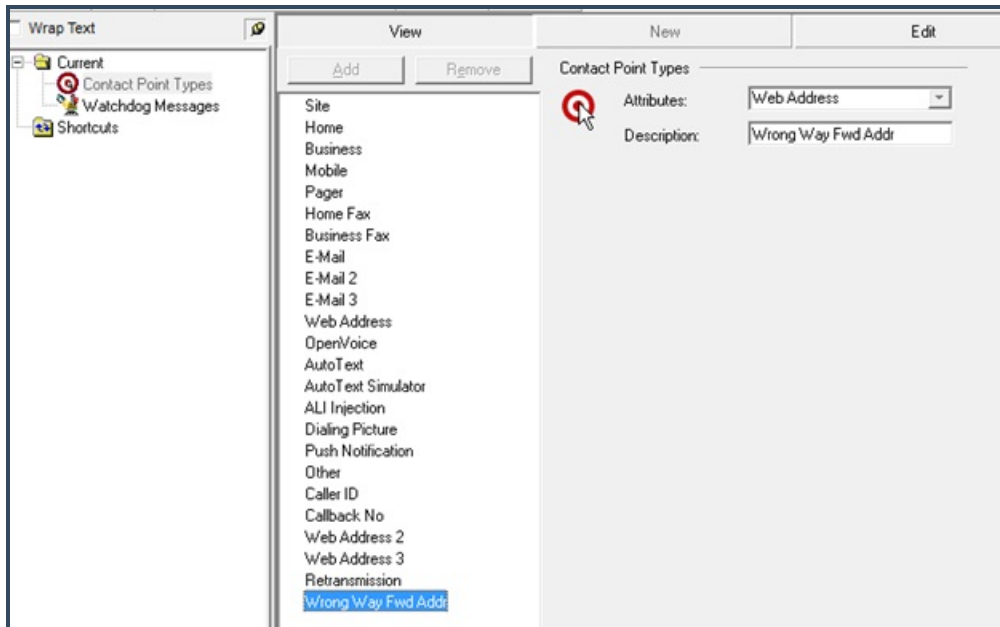


You use the transmitter type when creating the transmitter. Set the transmitter type to the transmitter type you just created. Set the RLP to the RLP you have setup on the Bold XML FEP you have connected to the MG. Set the transmitter ID to the transmitter ID of the unit (the customer will have to get this from ISS). Set the Video Capable option.



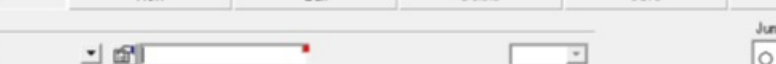
Contact Point Types

Create a new contact point type.



This will be the address that you setup on the account to forward the alarm to after the operator has confirmed the alarm.

This is where you data enter it on the account.



The screenshot shows the 'New' tab of the 'Contact' form. The 'Web' field is highlighted with a red circle, indicating the URL 'http://196.241.108.248:1111'. The 'Jump To' dropdown on the right is also visible, showing options like 'Customer', 'Details', 'Options', etc.

You will also need a contact point type for emailing the confirmed wrong way signals. In this document, I used the “E-Mail 3” address type but you could create a contact point type specifically for this type of monitoring if the customer wants to (like “wrong way email”).

The screenshot shows the 'New' tab in the CRM system. The 'Contact' section includes fields for Site, Home, Business, and Mobile. The 'E-mail' section is highlighted with a red circle, showing 'E-Mail 3' with the address 'adame@devsrv-adame.boldgroup.int' and a PDF icon. The 'Web' section shows 'Wrong Way Fred' with a URL 'http://166.241.109.248:1111'.

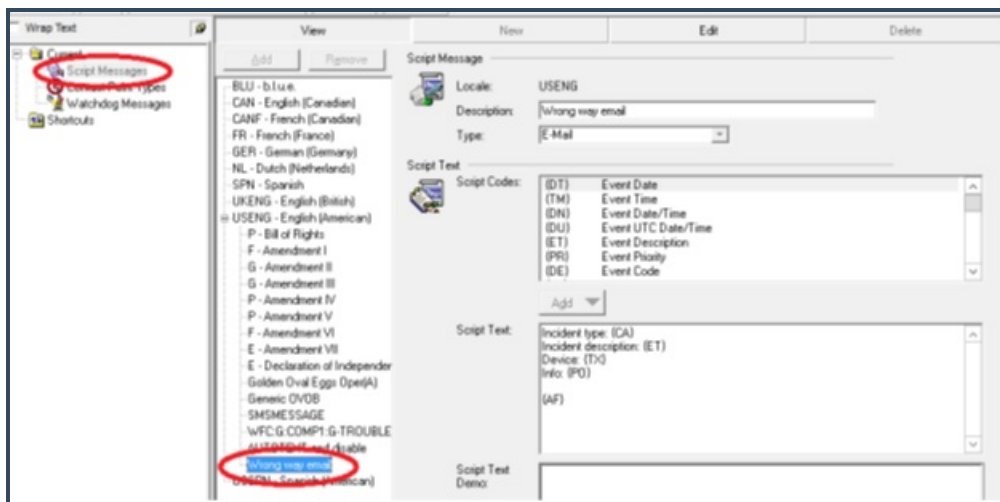
Event Code

Define an event code of “*WRGWAY”. You can set it up any way you want.

The screenshot shows the 'Wrap Text' dialog box with the 'Current' tab selected. The 'Event Codes' list on the left includes 'WRGWAY - Wrong Way Alarm', which is highlighted. The 'Event Codes' section on the right displays the configuration for this code: Event Code: WRGWAY, Description: Wrong Way Alarm, Event Category: Emergency, Redirect Code: (empty), Zone State Code: (empty), Alarm: Yes, and Priority: 1.

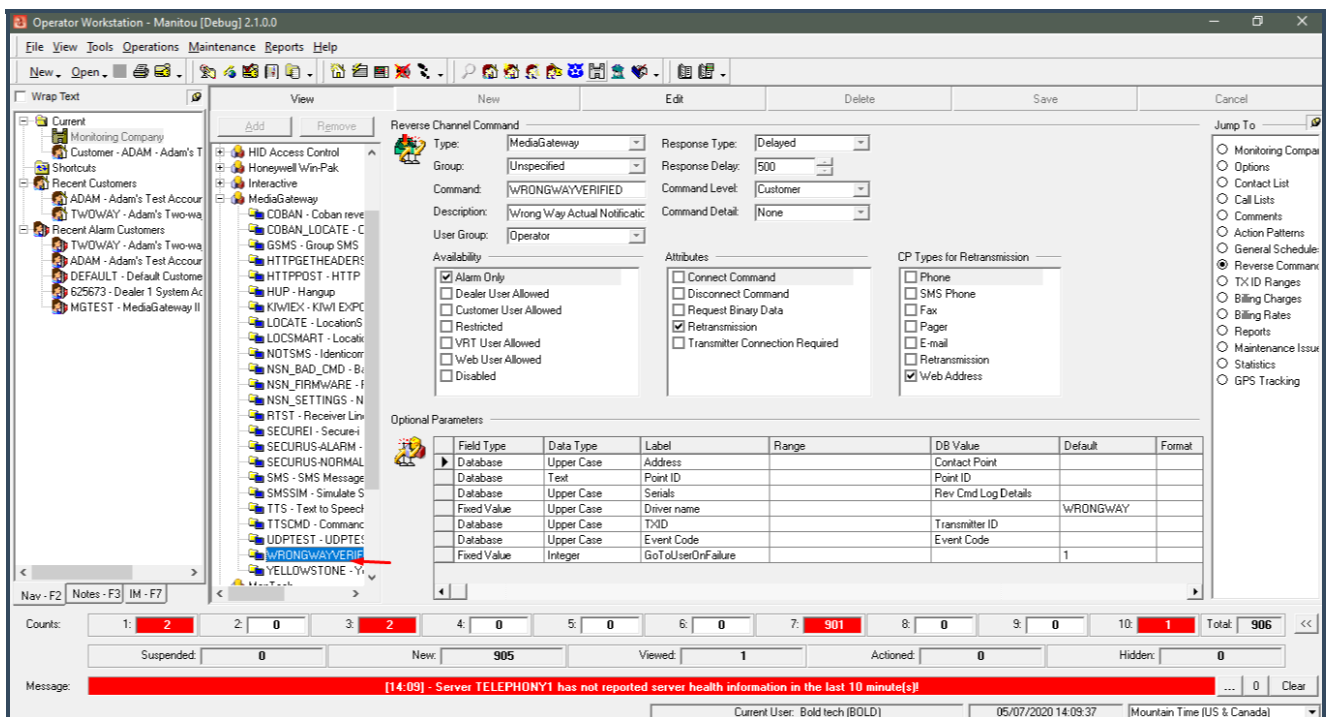
Script Message

Create a script message for the email you want to send. You can name it anything you want to.



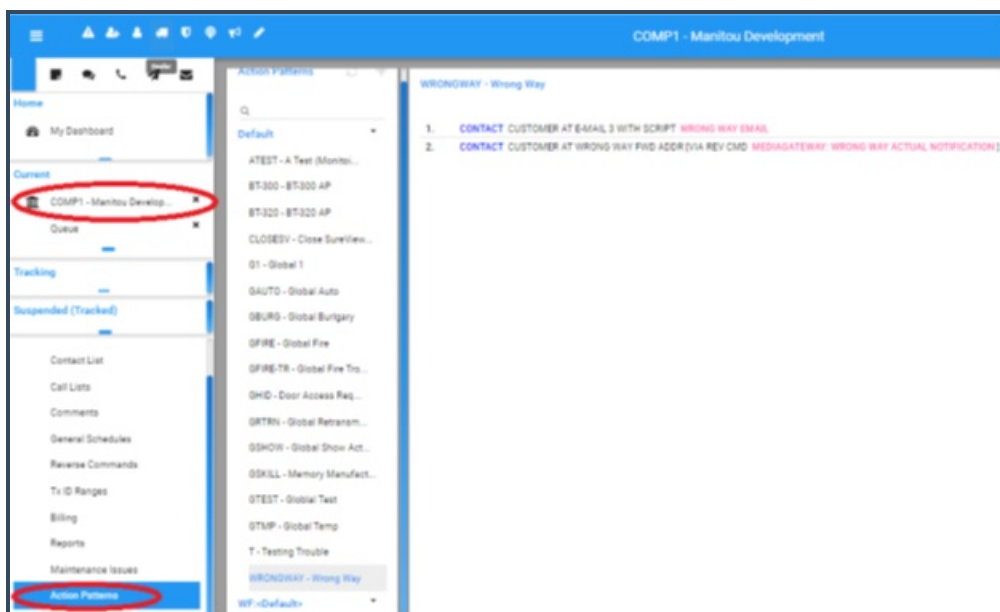
Reverse Command

Set up a reverse command at the Monitoring Company level.



Action Patterns

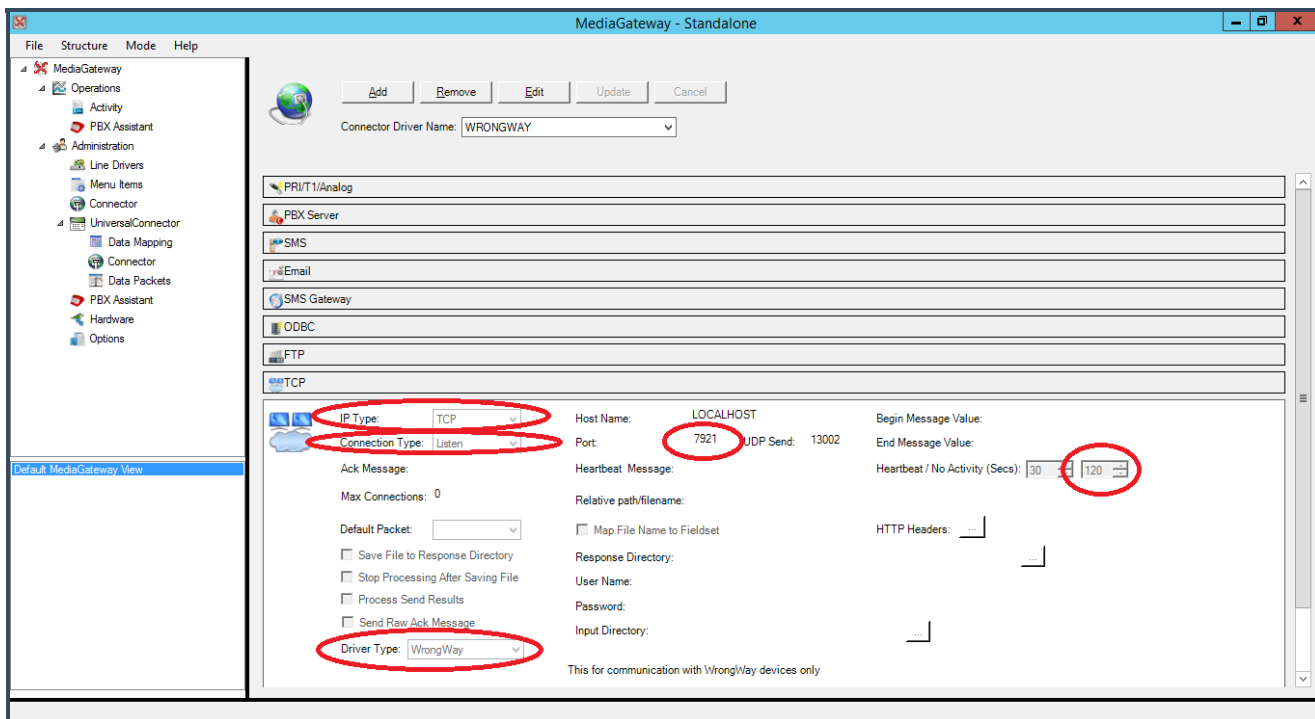
Create a global Action Pattern at the Monitoring Company level using the Manitou Web Client (for some reason OWS won't let you create the action pattern the way it's supposed to be). These are the two commands that email and forward the signal. The customer may want their operators to be asked questions and only issue these commands based on if they've verified that there is a vehicle going the wrong way in the picture.



MediaGateway Setup

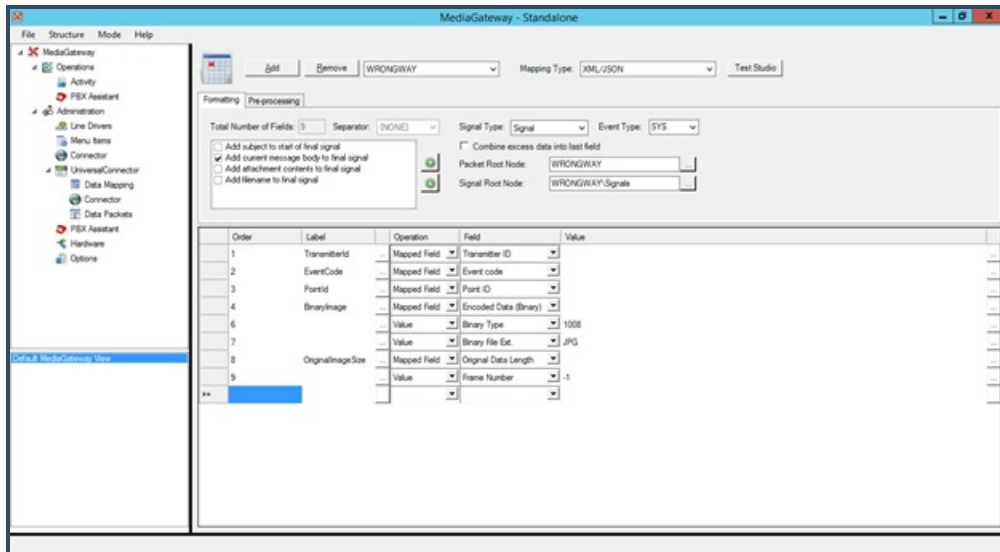
Connector

Make sure you set the connector up as a listen TCP connector. Make sure you have a No Activity time set. Make sure you set the Driver Type to be WrongWay. The customer will have to tell you which port it should listen on. The customer will have to work this out with ISS.

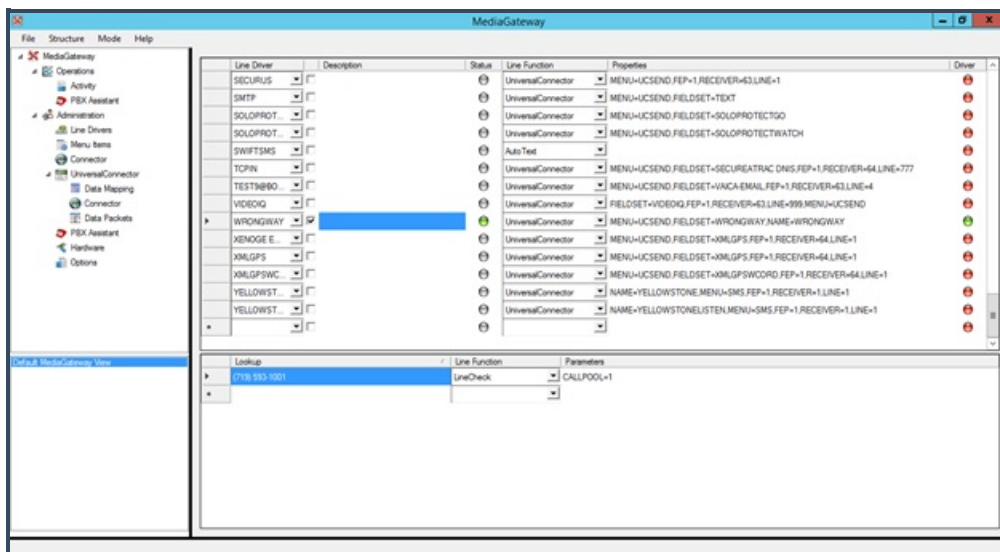


Data Mapping

You'll want to set up the data map just like this. There is an attachment on this wiki that contains this data map that you can import into MG. You can use the attached WrongWaySignal.xml as a file to help data mapping.



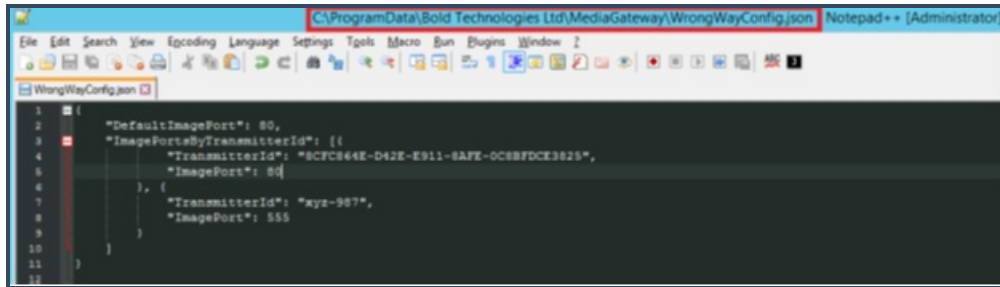
Line Driver



Wrong Way JSON Config File

This is for controlling the port that MG uses to fetch the image when we receive an alarm. The device's default is to use port 80 but it is configurable. The config file has a default port of 80 and you can define a custom port per device by specifying the transmitter ID and an ImagePort value. MG reads this file for every Wrong Way signal it receives so there is no need to reload/restart MG to pick up the changes. There is a copy of this file on this wiki that you can use as a

default.

A screenshot of a Notepad++ window running as Administrator. The title bar shows the file path: C:\ProgramData\Bold Technologies Ltd\MediaGateway\WrongWayConfig.json. The menu bar includes File, Edit, Search, View, Encoding, Language, Settings, Tools, Macro, Run, Plugins, Window, and Help. The toolbar contains various icons for file operations and editing. The text area shows the following JSON configuration:

```
1 {
2   "DefaultImagePort": 80,
3   "ImagePortsByTransmitterId": [
4     {
5       "TransmitterId": "8CFC864E-D42E-E911-8AFE-0C8BFDC3825",
6       "ImagePort": 80
7     },
8     {
9       "TransmitterId": "xyz-987",
10      "ImagePort": 555
11    }
12  ]
13 }
```

This is the configuration file for the functionality outlined in this article:

(To download this file, right mouse click and choose "Save link as...") [WrongWayConfig.json](#) 

Additional Info

If forwarding the alarm fails, MG will create a "*A" alarm on the account that is trying to be forwarded. The point ID will have information about the failure.
