



Multipath AFA Integration with Manitou

Version 2.1.51 and later

October 2026

Manitou®

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Multipath AFA integration

The updates to the AFA integration allow the driver to be configured for any number of concurrent connections to AFA CAD systems simultaneously. To provide enough information for the driver to route messages, some modifications to data in Manitou is required some additional configuration as well in the AutoDispatch Gateway.

Changes Required in Manitou Core

Reverse commands that come from Manitou, destined for the AFA driver will now need one additional parameter, AUTHID, that will represent which path the signal will travel (to which AFA connection the message will be sent). To achieve this, use a value set on the AFA Retransmission contact point on the authority in Manitou. It can be any value, as long as it is unique to that dealer:

The screenshot displays the Manitou Core configuration page for 'FIRE1 - My Fire Department'. The interface includes a top navigation bar with various icons and a main content area with three sections: Details, Contacts, and Authority Options. The Details section lists various attributes of the authority. The Contacts section shows a list of contact points, with 'AUTH2' highlighted by a red circle. The Authority Options section shows a checkbox for 'Permit Required'.

Details	
Authority ID	FIRE1
Name	My Fire Department
Country	United States of America
Time Zone	Mountain Time (US & Canada)
Locale	English (United States)
Type	Fire

Contacts	
AFA	AUTH2

Authority Options

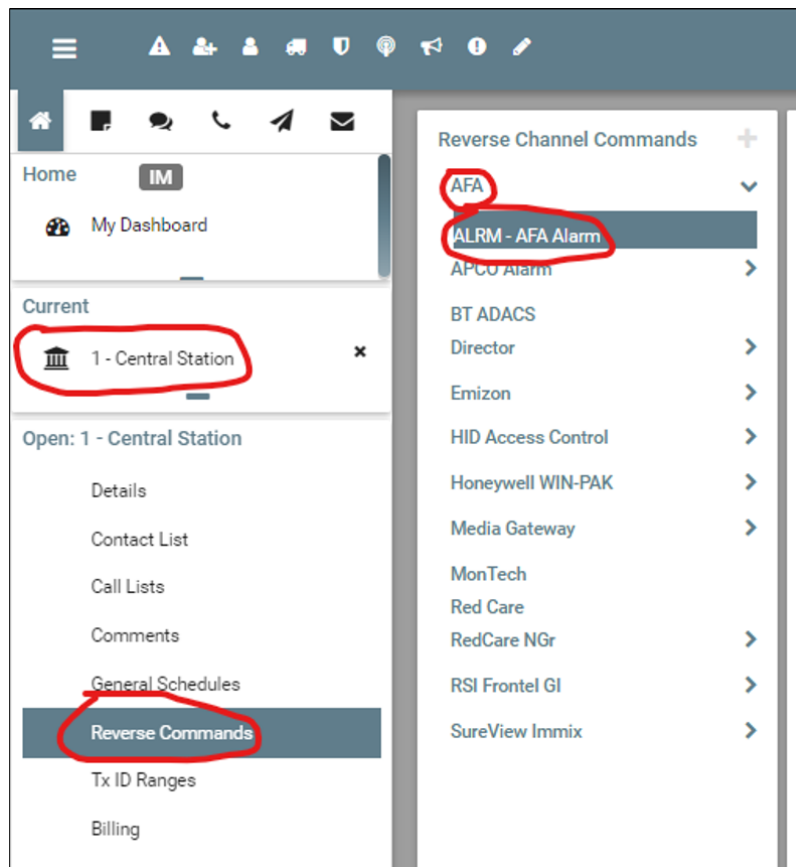
☐ Permit Required

In this example, this authority is set to be "AUTH2". Note that whatever dealer(s) are already pointing to AFA have this contact point today, but the value is probably set to AFA or NSWFB.

Note: Authorities that are not yet linked will need to have the AFA retransmission contact point added, then set the contact point text to the ID you want to use.

Repeat the above steps for every authority that will be transmitting to AFA.

After assigning values to dealers' retransmission contact point, add the AUTHID parameter to the reverse command. Open the Monitoring Company record, navigate to reverse commands, and then choose the ALRM action pattern in the AFA section:



Add a new parameter to the parameters list. This parameter should be set to the following:

- Field Type – Database
- Data Type – Text
- Label – AUTHID

- DB Value – Contact Point

Field Type	Data Type	Label	Range	DB Value
Database	Text	AREA		Original Area
Database	Text	ZONE		Original Zone
Database	Text	TXID		Transmitter ID
Database	Text	EVCODE		Event Code
Database	Text	TIME		Event Time
Database	Text	CUST		Customer Name
Database	Text	ADDR		Full Address
Database	Text	CITY		City Name
Database	Text	POST		Post Code
Database	Text	AUTHID		Contact Point

Rows: 10 ▼

Changes Required for AutoDispatch Gateway Configuration

There is only one required change for the AutoDispatch Gateway. In the appsettings.json file, edit the “AFA” section. Previously, the configuration consisted of the configuration data directly under the “AFA” object:

```
"AFA": {
  ... config data ...
}
```

Now this changes so that there is an array of routes (in JSON, square brackets [] indicate an array) where each array entry is an entire config data section, and that configuration section now contains a new property called “AuthorityId”. It is the AuthorityId that correlates a Manitou authority with a specific route:

```
"AFA": {
  "routes": [
    {
      "AuthorityId": "AUTH1",
      ... rest of authority 1's configuration ...
    },
  ],
}
```

```
{  
    "AuthorityId": "AUTH2",  
    ... rest of authority 2's configuration ...  
},  
{  
    "AuthorityId": "AUTH3",  
    ... rest of authority 3's configuration ...  
}  
]  
}
```

Remember to wrap each configuration in curly braces and separate each curly-brace section with commas.

Restart the AutoDispatch Gateway with the new driver in place. The startup messages will let you know how it is interpreting the routing.

The sample appsettings.json file has been updated to reflect this new configuration and can be used as a starting point if necessary.

Every single message that gets logged from the AFA driver now includes the authority ID of the route from which the message originates, thereby making it easier to diagnose route-specific problems.