

FieldServer Toolbox

MSA Safety has introduced the latest update to the user interface utility called FieldServer Toolbox. This updated utility is available on the web for all FieldServer Gateways and enables users to easily:

1. Search the local network for any connected FieldServers.
2. Select the FieldServer and launch either the current user-friendly browser-based interface to help set-up, configure and diagnose the FieldServer.

NOTE: For gateways updated with FieldSafe, diagnostic captures cannot be taken with the FieldServer Toolbox but has been integrated into the FS-GUI configuration page.

The following information is viewable for connected FieldServers found by the FieldServer Toolbox:

DEVICES – Lists the device name.

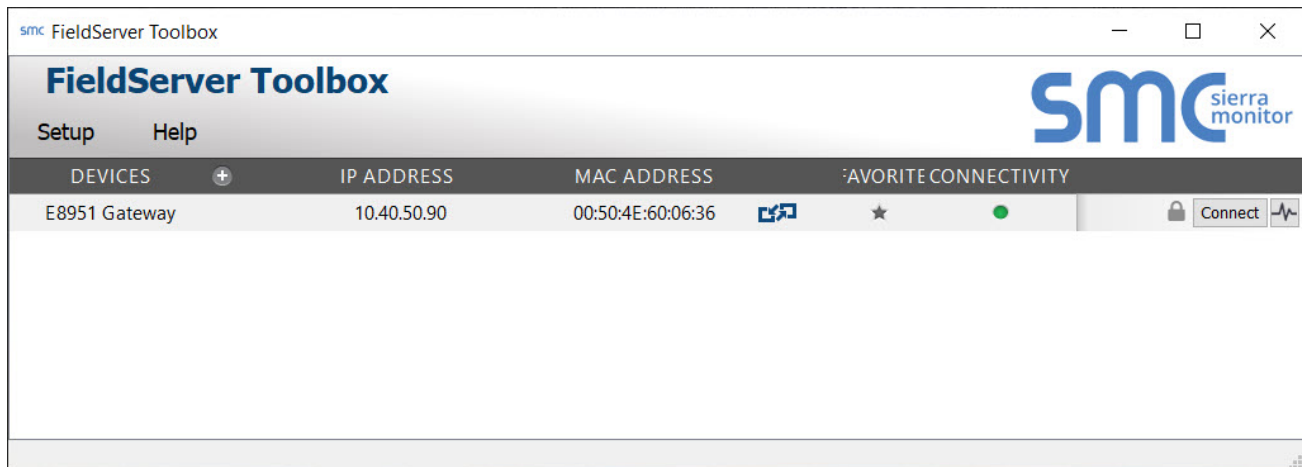
IP ADDRESS – Shows the IP Address of the listed device.

MAC ADDRESS – Shows the MAC Address of the listed device.

FAVORITE – Click to mark this as a favorite device. The device information will show whether the device is found or not.

CONNECTIVITY – The light shows the level of connectivity for the device. Green is full connectivity. Yellow is limited connectivity. Blue is limited IP connectivity. And red is connectivity lost.

BUTTONS – These buttons allow multiple functions. The Connect button jumping straight into a device's System View, FS-GUI or Web Configurator page via default Internet browser. The Heartbeat button allows taking diagnostics for the device.



NOTE: For detailed descriptions on any of these items or additional information check the help menu.

Download the FS Toolbox

<https://us.msasafety.com/downloads#smc>

FieldServer Graphical User Interface (FS-GUI)

MSA Safety's FieldServer Gateways come with the web-based FS-GUI making easy to check the status, configure and diagnose your FieldServer. Information such as network settings, node information, map descriptors, and transfer of files. The web browser interface can even be set up with your own logo and background if desired.

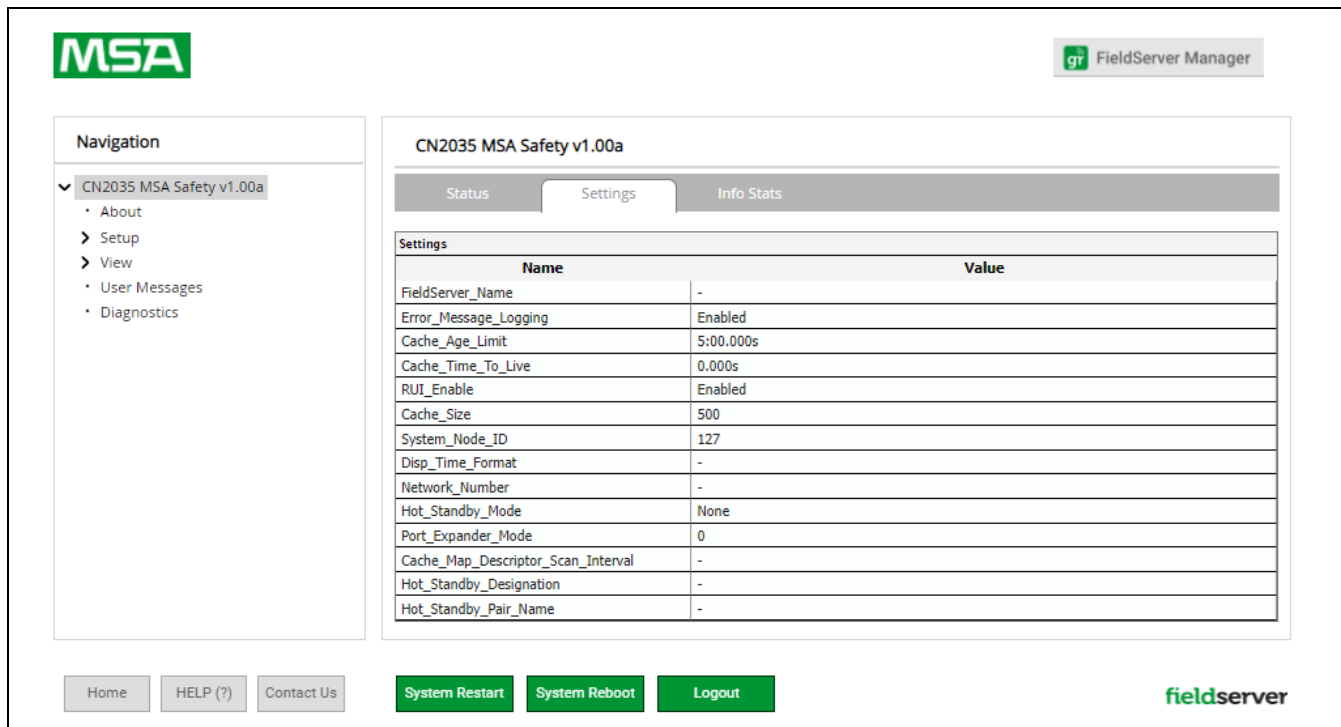
Each of the pages on the FS-GUI includes specific FieldServer information and features described below.

NOTE: Click the Help button at the bottom of any page to view the Keyboard Shortcut and General Navigation list.

Home

Allows the user to check the status of the FieldServer gateway, including the configuration code, version, memory, gateway type and more. Under "Settings" the user has access to important network information.

NOTE: The "System Restart" button at the bottom of the page is used to restart the FieldServer gateway (only on the Home page).



The screenshot displays the FieldServer Manager interface. At the top left is the MSA logo, and at the top right is the 'gr FieldServer Manager' header. A navigation sidebar on the left lists 'CN2035 MSA Safety v1.00a' with sub-items: About, Setup, View, User Messages, and Diagnostics. The main content area shows the 'Settings' tab for 'CN2035 MSA Safety v1.00a'. Below the tab are three buttons: 'Status', 'Settings', and 'Info Stats'. A table lists various settings with their names and values.

Name	Value
FieldServer_Name	-
Error_Message_Logging	Enabled
Cache_Age_Limit	5:00.000s
Cache_Time_To_Live	0.000s
RUI_Enable	Enabled
Cache_Size	500
System_Node_ID	127
Disp_Time_Format	-
Network_Number	-
Hot_Standby_Mode	None
Port_Expander_Mode	0
Cache_Map_Descriptor_Scan_Interval	-
Hot_Standby_Designation	-
Hot_Standby_Pair_Name	-

At the bottom of the page, there are buttons for 'Home', 'HELP (?)', 'Contact Us', 'System Restart', 'System Reboot', and 'Logout'. The 'fieldserver' logo is in the bottom right corner.

About

Allows the user to check current firmware of the FieldServer gateway plus version identification of the interface and skin, plus contact information. Skin is either the default FieldServer template or it can be a specific template specified by the OEM customer.

Setup

Select "File Transfer" to upload files to the FieldServer gateway including configuration files, firmware upgrades and more. Select "Network Settings" to access and modify network connection. Select "Time Settings" to change the Time Zone.

NOTE: User Management and Security are both FieldSafe functions. See the [FieldSafe Enote](#) for instructions.

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View

Select "Connections" to view activity of devices connected to the FieldServer gateway ports.

Select "Data Arrays" to view the Data Arrays setup in the gateway and the user can click on the specific Data Array for detailed information.

The screenshot shows the 'DA_Protocol' configuration page in the FieldServer Manager. The navigation menu on the left is expanded to 'Data Arrays' > 'DA_Protocol'. The main content area shows a table for 'Data Array Attrib' with columns 'Name' and 'Value'. Below the table is a 'Display Format' dropdown set to 'UInt16' and a 'Data Array' table with columns 'Offset' and values for offsets 0 through 9.

Name	Value
Data Array Name	DA_Protocol
Data Format	UInt16
Length in Items	10
Bytes per Item	2
Data Age	5:00:43:36.675s

Offset	0	1	2	3	4	5	6	7	8	9
	0	1	1	2	0	0	0	0	0	0

Select "Nodes" to view the Nodes setup in the gateway and the user can click on the specific node for Node detailed information. On the Nodes details page tabs across the top allow access to settings, status, info stats and error stats.

The screenshot shows the 'Dev_22' configuration page in the FieldServer Manager. The navigation menu on the left is expanded to 'Nodes' > 'Dev_22'. The main content area shows a 'Settings' table with columns 'Name' and 'Value'. Above the table are tabs for 'Settings', 'Status', 'Info Stats', and 'Error Stats'.

Name	Value
Adapter	-
Connection_Name	-
Node_Name	Dev_22
Node_ID	22
Protocol	MODBUS_RTU
Host_Name	-
Virtual_IP	-
IP_Address	-
Remote_IP_Address	-
Node_Type	-
Node_Option	-
Node_Offline_Action	-
Port	R1
Write_Ack_Option	Ack Immediate

Select "Map Descriptors" to view the Map Descriptors setup in the gateway and clicking on the specific map descriptor will access the Map Descriptors detail page. Again, tabs across the top of the page provide quick access to settings, status, info stats, and error stats.

User Messages

Allows access to error messages, info messages and driver messages.

Diagnostics

Used to create diagnostics captures to assist technical support. Allows capture of Ethernet or Wi-Fi connections.

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