

Basic FXS Gateway Configuration

Mediatrix units with FXS ports

DGW 49.2.2941

2023-08-09

Table of Contents

Configuring the Mediatrix Unit	3
Getting Started	3
Logging on to the Mediatrix Unit Web Interface	3
Configuring the Default SIP Servers	4
Registering Endpoints to All Gateways	5
Setting the SIP Authentication	5
Configuring the Country for all Endpoints	6
Restarting Services	6
Advanced Settings	7
Adding the * Star Code Dial Map	7
Adding the # Key Dial Map	7
Online Help	8
DGW Documentation	9
Copyright Notice	10

Configuring the Mediatrix Unit

Getting Started

Steps

- 1) Make sure the WAN network interface (either WAN, ETH1, Ethernet, Network, or ETH5 depending on your model) of your Mediatrix unit is connected to the network.
- 2) Log on to the Mediatrix unit Web interface.

Note: If you are using your Mediatrix unit for the first time, refer to its Mediatrix unit Quick Start guide.

Logging on to the Mediatrix Unit Web Interface

Before you start

The computer IP address must be in the same TCP/IP network as the Mediatrix unit.

Information

For better performances, it is recommended to use the latest available version of Microsoft Internet Explorer, Google Chrome, or Mozilla Firefox.

Note: You may not be able to log on to the Mediatrix unit Web interface if you are using older browser versions.

Steps

- 1) In your Web browser, enter the IP address at which the Web interface of your Mediatrix unit can be reached.
 - If your network has an IPv4 DHCP server, connect the primary Ethernet port of the Mediatrix unit to the network (ETH1 port), use the provided DHCP server IP address.
 - You can also connect your computer to the secondary Ethernet port of the Mediatrix unit (ETH2), use the 192.168.0.10 IP address. However, the computer must also own an IP address in the 192.168.0.0/24 network.
- 2) Enter **admin** as your username and **administrator** as the password.

Note: You can also use **public** as a username and leave the password field empty; it has the full administration rights by default.

- 3) Click **Login**.

Result

The **Information** page of the Web interface is displayed.

Related tasks

[Configuring the Default SIP Servers](#) (p.4)

Configuring the Default SIP Servers

Information

In some instances, the configuration of the default servers may already be completed.

Steps

- 1) Go to **SIP/Servers**.
- 2) In the **Registrar Host** field, indicate the server IP address or FQDN of the SIP Registrar server .
- 3) In the **Proxy Host** field, indicate the server IP address or FQDN of the SIP Proxy server.
- 4) In the **Messaging Server Host** field, indicate the server IP address or FQDN of the Messaging server, if needed.
- 5) Leave the **Outbound Proxy Host** field empty, unless specifically instructed to set a value.

Note: Setting the address to 0.0.0.0:0 or leaving the field empty disables the outbound proxy host.

- 6) Click **Apply**.
- 7) Located at the top of the page, click **restart required services**.

Result

Default Servers		
Registrar Host:	sip.registrarserver.com	
Proxy Host:	sip.proxyserver.com	
Messaging Server Host:		
Outbound Proxy Host:		

Next Step

[Registering Endpoints to All Gateways \(p.5\)](#)

Registering Endpoints to All Gateways

Steps

- 1) Go to **SIP/Registrations**.

Note: If two or more endpoints have the same user name, a single registration request and/or subscription request will be performed under that user name.

- 2) For each endpoint requiring registration, repeat the following 2 steps.
- 3) From the **Register** selection list, select **Enable**.
- 4) From the **Gateway Name** selection list, select **All** for each endpoint.
- 5) Click **Apply and Refresh**.

Result

Endpoints Registration					
Endpoint	User Name	Friendly Name	Register	Messaging	Gateway Name
Endpoint 1	user_name1		Enable ▼	Disable ▼	all ▼
Endpoint 2	user_name2		Enable ▼	Disable ▼	all ▼
Endpoint 3	user_name3		Enable ▼	Disable ▼	all ▼
Endpoint 4	user_name4		Enable ▼	Disable ▼	all ▼

Next Step

[Setting the SIP Authentication \(p.5\)](#)

Setting the SIP Authentication

Steps

- 1) Go to **SIP/Authentication**.
- 2) Click **Edit All Entries**.
- 3) In the **Authentication** table, enter the credentials for each port.
- 4) Click **Apply and Refresh Registration**.

5) Validate if endpoints are registered. (**SIP/Registrations**).

Result

Authentication									
Priority	Criteria	Endpoint	Gateway	Username Criteria	Validate Realm	Realm	User Name	Password	
1	Endpoint	Slot3/FXS1			Disable		user_name 1	*****	
2	Endpoint	Slot3/FXS2			Disable		user_name 2	*****	

Next Step

[Configuring the Country for all Endpoints \(p.6\)](#)

Configuring the Country for all Endpoints

Steps

- 1) Go to **Telephony/Misc.**
- 2) Make sure the **Select Endpoint** drop-down list is set to **Default**.
- 3) In the **Country** table, select your country from the drop-down list.
- 4) Click **Apply**.

Result

Country	
Country Selection:	NorthAmerica1

Next Step

[Restarting Services \(p.6\)](#)

Restarting Services

Steps

- 1) Go to **System/Services**.
- 2) In the **restart required services** table, click **restart required services**.

Advanced Settings

Adding the * Star Code Dial Map

Information

The Mediatrix unit dial map * key is deactivated by default.

Steps

- 1) Go to **Telephony/DTMF Maps**.
- 2) In the **Allowed DTMF Map** table, complete the fields as required.

Note: *xx - for code, e.g. *69

Result

For more details on DTMF map configuration, refer to the the [DGW Configuratio Guide -DTMF Map Configuration -Dial Plan](#) published on the [Media5 Documentation Portal](#).

Allowed DTMF Map								
Index	Enable	Apply To	Endpoints	Suggestions	DTMF Map	Transformation	Target	Emergency
1	Enable	Unit		--- Suggestion ---	*xx	x		Disable

Adding the # Key Dial Map

Information

The Mediatrix unit dial map # key is deactivated by default.

Steps

- 1) Go to **Telephony/DTMF Maps**.
- 2) In the **Allowed DTMF Map** table, complete the fields as required.

Note: x.# - for speed dialling, e.g. 267# , call will be dialled right away once the # key is hit.

Result

For more details on DTMF map configuration, refer to the the [DGW Configuratio Guide -DTMF Map Configuration -Dial Plan](#) published on the [Media5 Documentation Portal](#).

Allowed DTMF Map								
Index	Enable	Apply To	Endpoints	Suggestions	DTMF Map	Transformation	Target	Emergency
1	Enable	Unit		--- Suggestion ---	x.#	x{#}		Disable

Online Help

If you are not familiar with the meaning of the fields and buttons, click **Show Help**, located at the upper right corner of the Web page. When activated, the fields and buttons that offer online help will change to green and if you hover over them, the description will be displayed.

DGW Documentation

Mediatrix devices are supplied with an exhaustive set of documentation.

Mediatrix user documentation is available on the [Media5 Documentation Portal](#).

Several types of documents were created to clearly present the information you are looking for. Our documentation includes:

- **Release notes:** Generated at each GA release, this document includes the known and solved issues of the software. It also outlines the changes and the new features the release includes.
- **Configuration notes:** These documents are created to facilitate the configuration of a specific use case. They address a configuration aspect we consider that most users will need to perform. However, in some cases, a configuration note is created after receiving a question from a customer. They provide standard step-by-step procedures detailing the values of the parameters to use. They provide a means of validation and present some conceptual information. The configuration notes are specifically created to guide the user through an aspect of the configuration.
- **Technical bulletins:** These documents are created to facilitate the configuration of a specific technical action, such as performing a firmware upgrade.
- **Hardware installation guide:** They provide the detailed procedure on how to safely and adequately install the unit. It provides information on card installation, cable connections, and how to access for the first time the Management interface.
- **User guide:** The user guide explains how to customise to your needs the configuration of the unit. Although this document is task oriented, it provides conceptual information to help the user understand the purpose and impact of each task. The User Guide will provide information such as where and how TR-069 can be configured in the Management Interface, how to set firewalls, or how to use the CLI to configure parameters that are not available in the Management Interface.
- **Reference guide:** This exhaustive document has been created for advanced users. It includes a description of all the parameters used by all the services of the Mediatrix units. You will find, for example, scripts to configure a specific parameter, notification messages sent by a service, or an action description used to create Rulesets. This document includes reference information such as a dictionary, and it does not include any step-by-step procedures.

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