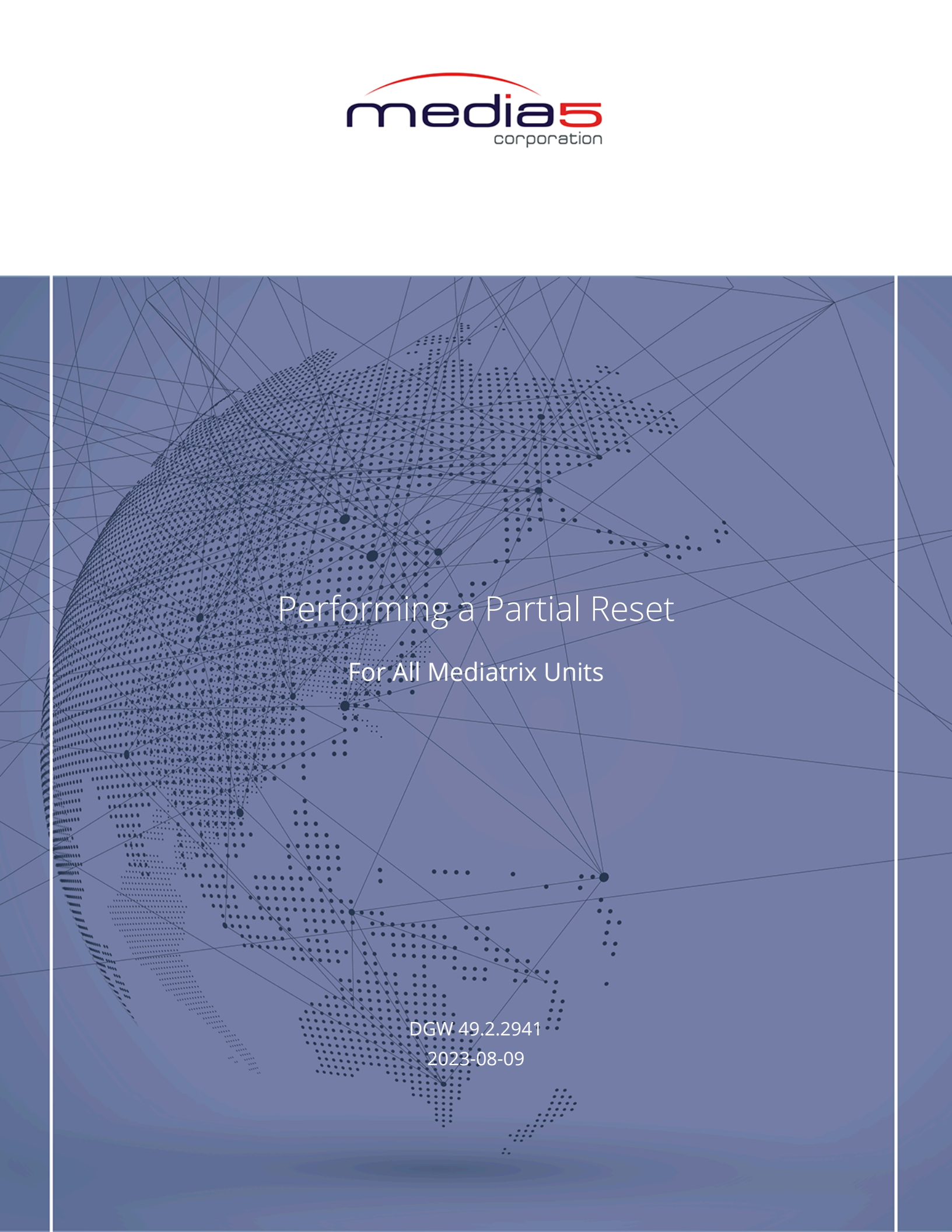


The background of the page is a dark blue gradient with a complex, abstract graphic. It consists of a dense network of thin, light blue lines connecting various points, creating a web-like or neural network structure. The points themselves are small, dark blue dots of varying sizes. The overall effect is one of digital connectivity and complexity.

Performing a Partial Reset

For All Mediatrix Units

DGW 49.2.2941

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Partial Reset

The partial reset provides a way to contact the Mediatrix unit in a known and static state while keeping most of the configuration unchanged.

A partial reset can be performed at the initial start-up of the Mediatrix unit or on a unit already in use where the configuration was modified in such a way that the user can no longer access the system by the Web page or otherwise. In both cases, the user can manage the Mediatrix unit through its Rescue interface, which is bound to the unit's WAN port (wan for the Mediatrix 4102S, and ETH1 for all other Mediatrix units). The IP address of the Rescue interface is 192.168.0.1 (IPv4) or an IPv6 Link Local address.. These connections give access to the Rescue Management Interface where the configuration of a new unit can be completed and where an existing configuration can be modified.

By default the Rescue Network Interface is disabled. When a partial reset is performed, the Rescue network Interface becomes enabled and the "Power" and "Ready" LEDs are blinking at 1Hz with 75% duty and all other LEDs are off. Once the configuration has been modified to solve the problem that required the partial reset, it is important to disable the Rescue Network Interface to make sure that you are no longer working in the Rescue Network Interface.

Performing a partial reset on a new unit will not modify the configuration, as it has not yet been modified to your needs. However, a partial reset performed on a unit already in use will:

- Rollback Local Firewall settings that are not yet applied.
- Add a Local Firewall rule to allow complete access to the Rescue interface.
- Rollback NAT settings that are not yet applied.
- Add NAT rule to allow complete access to the Rescue interface.
- Cancel the changes that were being modified but not yet applied to the configuration.
- Disable any Network Interface in conflict with the Network Rescue Interface.
- Configure and enable the Rescue Network Interface to:
 - use the link as the default value used by the Uplink Network Interface
 - set the IP address to 192.168.0.1 and the Network Mask to 255.255.255.0.
 - set the IPv6 link-local address on all network links. The IPv6 link-local address can be found underneath the unit.

A partial reset will also modify the following parameters and preserve the values below even after the Rescue interface has been disabled.

Note: These changes are valid when using a MX profile. If the Mediatrix unit is not using a MX profile, the default values and therefore the behaviour of the parameters may be different.

Service	Parameter	Default Value
AAA	Users.Password	User(s) from profile are restored with their factory password. All other usernames keep their password.
	Users.AccessRights	User(s) from profile are restored with their factory rights.
	ServicesAaaType (table)	Each service will be configured to use Local authentication and no accounting mechanism.
CLI	EnableTelnet	Disable
	TelnetPort	23
	EnableSsh	Enable
	SshPort	22
	InactivityTimeOut	15
Ha	servicesInfoExecState (Scm)	Stopped
	servicesInfoStartupType (Scm)	Manual
HOC	ManagementInterface	Rescue
SNMP	Port	161
	EnableSnmpV1	Enable
	EnableSnmpV2	Enable
	EnableSnmpV3	Enable
Web	ServerPort	80
	SecureServerPort	443

Performing a Partial Reset

Before you start

Note: It is not recommended to access the unit on a regular basis through the Rescue Network Interface.

Important: Make sure the unit is connected to the WAN port, as the Rescue interface is bound to the unit's WAN port (wan for the Mediatrix 4102S, and ETH1 for all other Mediatrix units). The IP address of the Rescue interface is 192.168.0.1 (IPv4) or an IPv6 Link Local address.

Steps

- 1) When the Power LED is steady or blinking rapidly, insert a small unbent paper clip into the hole of the **Reset/Default** button located on the Mediatrix unit.

Note: The Power LED will start blinking.

- 2) Wait a few seconds.
- 3) When all LEDs are blinking, but before they stop blinking, remove the paper clip.

Note: You have between 7 to 11 seconds.

Result

The Rescue Network Interface is displayed when accessing the Management Interface. Several parameters and services are modified, refer to [Partial Reset](#). Do not forget to perform the [Disabling the Rescue Interface](#) step.

Disabling the Rescue Interface

Information

By default the Rescue interface is disabled. However, after a partial reset the rescue interface is enabled.

Important: The Rescue interface is bound to the unit's WAN port (wan for the Mediatrix 4102S, and ETH1 for all other Mediatrix units). The IP address of the Rescue interface is 192.168.0.1 (IPv4) or an IPv6 Link Local address.

Steps

- 1) Go to **Management/Misc**.
- 2) From the **Network Interface** drop-down menu, select the interface that will be used to manage the unit.

Important: If you keep the **Rescue Interface** selected, you will not be able to get into the management interface after disabling it.

- 3) Click **Apply**
- 4) Go to **Network/Interfaces**.
- 5) In the **Rescue Interface** table, from the **Activation** selection list, select **Disable**.

6) Click **Apply**.

Important: Make sure to reconfigure at least the user's authentication and firewall rules (if applicable), otherwise it may leave the unit unsecure.

Result

The unit will be reachable either on the new configured static IP address or on the DHCP .

Rescue Network Configuration			
Family	Link	IP Address	Activation
IP version 4	eth1	192.168.0.1/24	Disable ▼
IP version 6	All	fe80::0290:f8ff:fe09:b3db	

Advanced Partial Reset Parameter

Although the services can be configured in great part in the Web browser, some aspects of the configuration can only be completed with the configuration parameters by :

- using a MIB browser
- using the CLI
- creating a configuration script containing the configuration parameters

Hardware.ResetButtonManagement: used to disable the partial reset feature. For more details, refer to the [DGW Configuration Guide - Reference Guide](#) published on the [Media5 Documentation Portal](#).

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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