

MDC6 Configuration File Formatting Guide

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This document describes the formatting requirements for the MDC6 configuration file. The configuration file defines settings of the MDC6.

File naming: Configuration files are simple text files that must start with CONFIG_SCT and have a standard “.txt” extension. The characters following CONFIG_SCT are not relevant to functionality but help identify files as defined by the installer. Example configuration file: CONFIG_SCT_default.txt

The files must be located in the root folder of a microSD card formatted as a FAT, FAT32, or exFAT.

File Contents: The text file contains a Settings section and a Cascading section. The end of this document includes a complete example file. Comments may be added as long as they are placed between /* and */. Anything between /* and */ will be ignored by the MDC6. The file contents are not case sensitive.

(1) Setting: The “setting” section will configure native Cisco Codec communication settings of the RTK-AM1.

a. Heartbeat Timeout

Example: {"hrtbt_timeout":"30"}

Command	<Param>	Function
"hrtbt_timeout":"<Param>"	10 – 60	Sets the heartbeat timeout interval (in seconds)

b. SCT Reported Name

Example: {"sct_name":"SCT MDC6"}

Command	<Param>	Function
"device_name":"<Param>"	<open field>	Sets the device name reported to Cisco codec. 16 characters maximum.

c. IP Parameters

Example: {"dhcp":"disable","ip":"192.168.10.123","mask":"255.255.255.0","gateway":"192.168.10.1"}

Command	<Param>	Function
"dhcp":"<Param>"	enable	Enable DHCP
	disable	Disable DHCP
"ip":"<Param>"	xxx.xxx.xxx.xxx	Defines IP address of MDC6 (only valid if DHCP is disabled)
"mask":"<Param>"	xxx.xxx.xxx.xxx	Defines subnet mask (only valid if DHCP is disabled)
"gateway":"<Param>"	xxx.xxx.xxx.xxx	Defines gateway (only valid if DHCP is disabled)
"net_hostname":"<Param>"	<open field>	Sets the network hostname. 16 characters maximum. Hostname only can use "0-9", "a-z", "A-Z", "_", "-"

(2) Cascading: The “cascading” section will configure the cascading feature.

a. Mode

Example: {"mode":"enable"}

Command	<Param>	Function
"mode":"<Param>"	enable/disable	Enables or disables Cascading mode

b. Output/Input Define

Example to define device 2 output is tied to device 1 input 3: {"out":"dev2","in3":"dev1"}

Command	<Param>	Function
"out":"dev<Param1>","in<Param2>":"dev<Param3>"	<Param1> 1-6	Defines the MDC6 RS-232 port the output device is attached to.
	<Param2> 1-4	Defines the input port of the downstream cascaded device.
	<Param3> 1-6	Defines the MDC6 RS-232 port the input device is attached to.

Sample Config File on Following Page

```
/* MDC6 Configuration file */
```

```
{  
"setting":[  
{"hrtbt_timeout":[30]}, /* Sets the heartbeat timeout interval (in seconds) for connection with a Cisco Codec, (10-60) (DIP switch 8 must be on)*/  
{"device_name":"SCT MDC6"}, /* Sets the name reported to Cisco codec. 16 characters maximum. Customize to be more descriptive if desired (DIP switch 8 must be on)*/  
]
```

```
/* The following sets the IP parameters of the MDC6. Change as appropriate for your network. */
```

```
/* IP, Mask, and Gateway are not required for DHCP "enable" mode */
```

```
{"dhcp":"disable","ip":"192.168.10.123","mask":"255.255.255.0","gateway":"192.168.10.1"},
```

```
{"net_hostname":"SCT-MDC6"}] /* Sets the name reported to network. 16 characters maximum. Hostname only can use "0-9","a-z","A-Z","_","-" */
```

```
"cascading":[
```

```
{"mode":"enable"}, /* enables/disables cascading mode) */
```

```
{"out":"dev2","in3":"dev1"}] /*device 2 output is tied to device 1 input 3*/
```

```
}
```