

# MDC6 Configuration File Formatting Guide

6/2/2026

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 MDC6.

## 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*/
    ]
}
```