

cmcs

Section: Programmer's Manual (1)

Updated: 1.9.10

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NAME

cmcs - cmcs -ip <ip-address> -pw <password> [optional switches]

SYNOPSIS

cmcs [-ip ipAddressString] [-pw loginPassword] [-timeout timeout] [-setpassword newPassword] [-help] [-reboot] [-list] [-save saveConfig] [-load loadConfig] [-shdev] [-xmlstatus] [-setip newIPAddressString] [-shlan] [-gway gatewayString] [-usa unicastAddr] [-usp unicastPort] [-bsp broadcastPort] [-igmp igmp] [-sym symbolRate] [-rfreq rfrequency] [-shsat] [-shtun] [-shtraf] [-lnbpwr powerChoice] [-lnbv voltageRangeChoice] [-lnbpol polarization] [-lnblc enableLongLine] [-lnbt lnbtTone] [-lnbtf lnbtToneFrequency] [-shlnb] [-recm receiverMode] [-add newpid] [-del delpid] [-shpid] [-mpid addmappid] [-umpid delmappid] [-shmap] [-addvid addvidwiz] [-delvid delvidwiz] [-shvid] [-fwdall forwardAll] [-addpat addpat] [-delpat delpat] [-shpat] [-addcam addCAM] [-delcam delCAM] [-shcam] [-camwatchdog camwatchdog] [-addvprog addvprogram] [-delvprog delvprogram] [-adddprog adddprogram] [-deldprog deldprogram] [-shvprog] [-shguide] [-goldcode goldcode] [-isi isi] [-setisi setisi] [-modcod modcod] [-updatefirmware updatefirmware] [-csv1status csv1status] [-csv2status csv2status]

OPTIONS

- ip IP Address of receiver to communicate with,
1 String value
- pw Configuration password of Novra receiver,
1 String value
- timeout Number of milliseconds to wait for login response from Novra receiver,
1 Int value between 1 and 60000.
Default: '1000'
- setpassword Change the login password for the S75 to a new value,
1 String value
- help Display help on available switches.
- reboot Tell the receiver to reboot.

-list
Display list of receivers on the local subnet..

-save
Save current receiver configuration to the given file name.,
1 String value

-load
Load receiver configuration from the given file name.,
1 String value

-shdev
Displays information about the receiver..

-xmlstatus
Displays receiver status in XML stream..

-setip
Set receiver's IP address and netmask t eg. -setip 192.168.0.1 255.255.255.0 ,
2 String values

-shlan
Display current network settings including default gateway.

-gway
Set the default route (gateway) of receiver,
1 String value

-usa
Set destination address for unicast status packets,
1 String value

-usp
Set destination port for unicast status packets,
1 Int value.

-bsp
Set destination port for broadcast status packets,
1 Int value.

-igmp
Control IGMP mode of operation on LAN interface by specifying 'on' or 'off',
1 String value

-sym
Set symbol rate in mega symbols per second (MSPS),
1 Float value.

-rfreq
Sets the receive frequency in megahertz (MHz),
1 Float value.

-shsat
Display satellite interface settings and signal quality.

-shtun
Display satellite interface settings and signal quality.

-shtraf
Display traffic statistics for the satellite and Ethernet interfaces..

-lnbpwr
Controls whether receiver provides power to LNB by specifying 'on' or 'off'.,
1 String value

-lnbv
Used to specify voltage range used to control LNB by specifying '11-15v' or '13-18v'.,
1 String value

-lnbpol
Select polarization of LNB as 'horizontal', 'left', 'vertical' or 'right'.,
1 String value

-lnble
Configure receiver to enable long line compensation mode by specifying 'on' or 'off'.,
1 String value

-lnbt
Turns on or off the receiver's LNB control tone by specifying 'on' or 'off'.,
1 String value

-lnbtf
Sets the frequency of the LNB control tone by specifying '22KHz' or '44KHz'.,
1 String value

-shlnb
Display LNB settings and status.

-recm
Sets operating mode of receiver as either 'DVB-S' or 'DVB-S2'.,
1 String value

-add
Specifies DVB packet identifiers containing MPE data to be processed by the receiver.,
1...16 Int values between 0 and 8191.

-del
Deletes packet identifiers containing MPE data from list processed by the receiver.,
1...16 Int values between 0 and 8191.

-shpid
Display list of packet identifiers to be processed by the receiver.

-mpid
Maps packets with given identifier to the provided IP address and port.,
3...64 String values

-umpid
Deletes the mapping identified by the specified PID, IP address and port.,
3...64 String values

-shmap
Shows mapped destinations with their PIDs..

-addvid
Configure forwarding components of a video stream to an IP/port destination.,
8...9 String values

-delvid
Delete configuration forwarding video stream components to an IP/port destination.,
3 String values

-shvid
Displays list of video programs being forwarded..

-fwdall
Sets the Forward All flag to 'On' or 'Off', destination specified by IP Address and port and a
'fwdnulls' option to forward NULL PIDs.,
1...4 String values

-addpat
Adds a program association table entry for the provided program number and PID.,
2 Int values.

- delpat
Deletes the PAT entries for the given program numbers.,
1...64 Int values.
- shpat
Displays the program association table..
- addcam
Identifies programs to be processed by the CAM by specifying one or more program numbers.,
1...32 Int values.
- delcam
Deletes programs being processed by the CAM by specifying one or more program numbers.,
1...32 Int values.
- shcam
Displays list of program numbers being processed by the CAM..
- camwatchdog
CAM watchdog interval in seconds.,
1 Int value between 0 and 254.
- advprog
Forwards video programs with given identifier to the provided IP address and port.,
3...64 String values
- delvprog
Stops the forwarding of a video program with given identifier and destination specified by an IP
address and port.,
3...64 String values
- addprog
Configures processing of data in the given program.,
1 Int value.
- deldprog
Stops the processing of data in the given program.,
1 Int value.
- shvprog
Displays video programs being forwarded..
- shguide
Displays received program guide..
- goldcode
Modulator gold code in use for signal being received.,
1 Int value between 0 and 262141.
- isi Controls whether Input Stream Identifier (ISI) filtering is done. Specify 'on' or 'off'.,
1 String value
- setisi
Specifies Input Stream Identifier (ISI) value to use for filtering.,
1 Int value between 0 and 255.
- modcod
MODCOD in use for received DVB-S2 signal.,
1...2 String values
- updatefirmware
Loads new firmware from given file into receiver.,
1 String value
- csvlstatus
Exports a CSV File containing status information. Specify Filename.,
1 String value

-csv2status

Exports a CSV File containing extended status information. Specify Filename.,

1 String value

DESCRIPTION

The CMCS utility is a command-line tool that allows for quering and setting device status and configuration for the Novra S75, S200, and S300N receiver families. For windows users, please ensure the cygwin1.dll file is in the same working directory as the cmcs.exe executable or in the proper PATH environment variable.

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SYNOPSIS

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This document was created by using the manual pages.

Time: 21:39:32 GMT, May 23, 2014