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System Clock Commands



CONTENTS



- Chapter 1 System Clock Commands ----- 1
 - 1.1 clock set -----1
 - 1.2 clock summer-time-----2
 - 1.3 clock summer-time recurring-----2
 - 1.4 clock timezone-----3
 - 1.5 show clock-----4
 - 1.6 show sntp -----5
 - 1.7 sntp server -----6

Chapter 1 System Clock Commands

1.1 clock set

[Function]

Use **clockset** to modify system data and time.

[Command Format]

clockset <0-23> <0-59> <0-59> <2000-2099> <1-12> <1-31>

[Parameter]

<0-23>: hour

<0-59>: minute

<0-59>: second

<2000-2099>: year

<1-12>: month

<1-31>: date

[Command Modes]

Privilege EXEC and privilege users

[Executing Command Instruction]

Use **clockset** to modify system date and time. The configured data and time information will be memorized in NVRAM system and always be effective no matter power is on or off.

[Explanation of command execution echo]

Set successfully.

No 30th or 31st in Feb. in leap year

No 29th, 30th or 31st in Feb.

No 31st in the month

[Example]

System date is modified as 30th Sep, 2003, 8:30:00:

Raisecom# **clockset** 8 30 0 2003 9 30

[Related commands]

Commands	Description
show clock	Show the current time of system.

1.2 clock summer-time

[Function]

Enable summer time configuration.

[Command Format]

clock summer-time {*enable* / *disable*}

[Parameter]

enable: enable summer time

disable: disable summer time

[Default]

Summertime disable.

[Command Format]

Privilege EXEC; Privileged user.

[Explanation of command execution echo]

Set successfully

Set unsuccessfully

[Example]

Enable summer time:

Raisecom#**clock summer-time** *enable*

[Related commands]

Commands	Description
show clock	Show clock information
clock summer-time recurring	Set the starting time and end time of summer clock

1.3 clock summer-time recurring

[Function]

Configure the starting time and the ending time of summertime recurring.

[Command Format]

clock summer-time recurring {<1-4> / *last*} { *sun* / *mon* / *tue* / *wed* / *thu* / *fri* / *sat* } {<1-12> / *MONTH* } <0-23> <0-59> {<1-4> / *last*} { *sun* / *mon* / *tue* / *wed* / *thu* / *fri* / *sat* } {<1-12> / *MONTH* } <0-23> <0-59> <1-1440>

[Parameter]

<1-4>: summer time starting from which week

last : summer time starting from the last week of the month

week day: summer time starting from what date of the week

<1-12>: summer time starting from which month

MONTH: input the starting month

<0-23>: summer time starting hour

<0-59>: summer time starting minute

<1-4>: summer time ending at which week of the month

Last: summer time ending at the last week

week day: summer time ending at which day of the week

<1-12>: summer time ending month

MONTH: input the ending month

<0-23>: summer time ending hour

<0-59>: summer time ending minute

<1-1440>: summer time recurring minute

[Command format]

Privilege EXEC, Privileged user

[Executing Command Instruction]

This command is used to set the starting time, the ending time and recurring of summer time. The format for starting time and the ending time is: xx month, xx week (or the last week), xx hour and xx minute.

[Explanation of command execution echo]

Set successfully

Set unsuccessfully

[Example]

Set summer time to be one hour faster in the time zone from 2 o'clock on the morning of the second Sunday, April to 2 o'clock on the morning of the second Sunday, September every year:

Raisecom# **clock summer-time recurring 2 sun 4 2 0 2 sun 9 2 0 60**

[Related commands]

Commands	Description
clock summer-time	Enable summer time function
show clock	Show clock information

1.4 clock timezone

[Function]

Configure time zone

[Command Format]

clock timezone {+/-} <0-11> <0-59>

[Parameter]

+ : East hemisphere time zone

- : West hemisphere time zone

<0-11>: time zone recurring hours

<0-59>: time zone offset minutes

[Default]

The default time is Beijing local time, which is eastern offset 8 hours.

[Command Mods]

Privilege EXEC; Privileged user

[Explanation of command execution echo]

Set successfully

[Example]

Set the time-offset direction to West hemisphere, offset time is 5 hours and 40 minutes:

Raisecom#**clock timezone** – 5 40

[Related commands]

Commands	Description
show clock	Show the clock information

1.5 show clock

[Function]

Use **show clock** to show current system time.

[Command Format]

show clock [*summer-time-recurring*]

[Parameter]

summer-time-recurring: show summer time

[Command Modes]

Privileged EXEC, privileged user

[Executing Command Instruction]

Use the command to show current system time, time zone and summer time configuration.

[Example]

Raisecom#**show clock**

Current system time: Sep-30-2003 00:28:07

Timezone offset: +08:00:00

Raisecom#show clock summer-time-recurring*Current system time: Jan-01-2004 08:39:13**Timezone offset: +08:00:00**Summer time recurring: Disable***Raisecom#show clock summer-time-recurring***Current system time: Jan-01-2004 08:40:07**Timezone offset: +08:00:00**Summer time recurring: Enable**Summer time start: week 02 Sunday Apr 02:00**Summer time end: week 02 Sunday Sep 02:00**Summer time Offset: 60 min***[Related commands]**

Commands	Description
clock summer-time recurring	Set the starting time and ending time of summer time.
clock summer-time	Summer time enable.
clock timezone	Set the time zone of current time.
clock set	Set the current system time of system

1.6 show sntp**[Function]**

Show the “sntp” information

[Command Format]**show sntp****[Command Modes]**

Privileged EXEC; privileged user

[Executing Command Instruction]

Use the history studying information of sntp.

[Explanation of command execution echo]

Show log information:

Raisecom#show sntp*SNTP server address:192.168.1.169*

<i>SNTP server</i>	<i>Stratum</i>	<i>Version</i>	<i>Last Receive</i>
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[Example]

Show the logging information memorized in the file:

Raisecom#**show sntp**

[Related commands]

Commands	Description
sntp server	Learn the system time form sntp server.
sntp broadcast client	set the device as detector of sntp broadcast

1.7 sntp server

[Function]

Configure the IP address of SNTP server and switch will set system according to the server.

[Command Format]

sntp server *A.B.C.D* [**schedule-list** *list-no*]

[Parameter]

A.B.C.D: IP address of sntp server.

schedule-list: Set the starting time, ending time and periodical operation task.

list-no: schedule list range is <0-99>.

[Default]

disable

[Command Modes]

Global configuration mode; privileged user

[Executing Command Instruction]

Configure the IP address of SNTP server and switch will set system according to the server.

[Command Executing Echo]

set successfully!

set unsuccessfully!

[Example]

Configure the time information of the device learn from sntp server:

Raisecom(config)# **sntp server** *10.0.0.1*



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