



## Undocumented MiniOS7 Commands

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commands for read/set IP/MASK/GATEWAY/MAC

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[ip]

The command "ip" without any parameter will reply the IP address saved in the EEPROM.

The command "ip xxx.xxx.xxx.xxx" will save the IP address value to the EEPROM. (For newer OS will also save one byte "checksum" in the EEPROM.)

[getip]

The command "getip" is equal to use command "ip" without any parameter.

[setip]

The command "setip xxx.xxx.xxx.xxx" is equal to "ip xxx.xxx.xxx.xxx".

[resetip]

The command "resetip" will set the ip address to an random value. For the new version, the mac address will start with "00:0D:E0".

[mask]

The command "mask" without any parameter will reply the MASK saved in the EEPROM.

The command "mask xxx.xxx.xxx.xxx" will save the MASK value to the EEPROM. (For newer OS will also save one byte "checksum" in the EEPROM.)

[getmask]

The command "getmask" is equal to use command "mask" without any parameter.



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[setmask]  
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The command "setmask xxx.xxx.xxx.xxx" is equal to "mask xxx.xxx.xxx.xxx".

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gateway  
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The command "gateway" without any parameter will reply the GATEWAY IP address saved in the EEPROM.

The command "gateway xxx.xxx.xxx.xxx" will save the new GATEWAY address to the EEPROM.

(For newer OS will also save one byte "checksum" in the EEPROM.)

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getgateway  
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The command "getgateway" is equal to use command "gateway" without any parameter.

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setgateway  
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The command "setgateway xxx.xxx.xxx.xxx" is equal to "gateway xxx.xxx.xxx.xxx".

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mac  
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The command "mac" without any parameter will reply the MAC address saved in the EEPROM.

The command "mac xx:xx:xx:xx:xx:xx" will save the new MAC address to the EEPROM.

(For newer OS will also save one byte "checksum" in the EEPROM.)

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getmac  
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The command "getmac" is equal to use command "mac" without any parameter.

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setmac  
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The command "setmac xx:xx:xx:xx:xx:xx" is equal to "mac xx:xx:xx:xx:xx:xx".

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resetmac  
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The command "resetmac" will set the mac address to a random number.  
(In the new OS, the first 3 bytes always set to "00:0D:E0".)

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commands for DISK B  
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disksize  
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The command "disksize" will reply the disk size of disk A,disk B and the reserve size.  
(unit is in segment(64K bytes))

"disksize sizeA" will set the size of disk A, and set the size of disk B to 0.

"disksize sizeA sizeB" will set the size of disk A and B.

sizeA can not be 0.

for 512K bytes flash memory, sizeA+sizeB <= 7.  
reserved size=7-sizeA-sizeB.

for 256K bytes flash memory, sizeA+sizeB <= 3.  
reserved size=3-sizeA-sizeB.

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delb  
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"delb" will delete all the files in the disk B.  
(new OS can delete one file once, and use the utility "pack.exe" to remove the  
deleted files.)

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deleteb  
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The command "deleteb" is the same as the command "delb".

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loadb



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"loadb" will load the file into disk B.  
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runb  
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Command "runb" is the same the command "run", but it get the file from DISK B.  
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runexeb  
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Command "runexeb" is the same the command "runexe"(), but it get the file from DISK B.  
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typeb  
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Command "typeb" is the same the command "type", but it get the file from DISK B.  
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commands for I-8000  
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setid --> not implemented  
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getid --> not implemented  
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commands for UDP version only

P.S. for support the UDP functions, some un-important commands are not supported in the UDP version.  
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initudp  
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The command "initudp" will start the UDP functions. By default the OS will start



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it. Only after use the command "closeUDP" need use the command "startudp" to restart it.

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ping  
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The command "ping xxx.xxx.xxx.xxx" will ping the IP 10 times.

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table  
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The command "table" is for debug used.  
It will show the internal mac address table.

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arp  
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The command "arp xxx.xxx.xxx.xxx" will send a arp packet for request the mac address of the IP "xxx.xxx.xxx.xxx".

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status  
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The command "status" is only for debug. it will show some value.

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closeudp  
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The command "closeudp" will stop the UDP functions.(uninstall the driver.)

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dhcp  
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The command "dhcp" will try to get an IP address from the DHCP server.  
If it is success, it will show the IP/MASK/GATEWAY get from the DHCK server.  
The value will not be save into the EEPROM, and the module also use the original IP/MASK/GATEWAY.

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MISC commands  
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bios1 1

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The command "bios" is used to update OS image.

When the OS image type is not the same current OS used, the command "bios" will not write the OS image to the flash memory, using the command "bios1 1" will force the OS to update the OS image.

(When use the command "bios1 1" with a wrong OS image will cause the module not work anymore.)

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delay

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The command "delay xxx" will delay xxx ms. It can be used in the ".bat" files for delay some time.

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@baud

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The command "@baud xxx" is the same as the command "baud xxx". It is used to set the baud rate of the console port.(The set value will be stored in the EEPROM.)

In the ".bat" file use the command "@baud xxxx", the message "@baud xxxx" will not be sent to the console port.

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pause

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The command "pause" will show the message "AnyKey to continue ..." then wait any input come from the console port.

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ver

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The command "ver" will show the informations about OS version, flash memory size, sram size.

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whoami

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The command "whoami" is the same as the command "ver".

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setpassword

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The command "setpassword" will set a new password for the system.



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(use the command "resetpassword" to cancel it.)

(New OS will use the command "setpassword reset" to cancel it.)

When the password is set, if the INIT\* pin is short to GND and power on the system, OS will ask the user to input the password. If the user can not input the right password (user can try 3 times) OS will start to run the "autoexec.bat".

So other one who did not know the right password can not stop system to see what program in it or change the setting or change the program.

(New OS wait the password input for 10 seconds, if the OS did not get any input when the time's up, it also start to run the "autoexec.bat".)

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resetpassword  
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"resetpassword" is used to cancel the password.

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setpassmsg  
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"setpassmsg prompt" is used to set the prompt message when the OS want the user to input the password. The user can set it to any strange message, so others did not know what it means to protect his system.

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chkpass  
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The command "chkpass" just for test to check the password is right or not.

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setautorun  
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"setautorun" just show current autorun mode.

"setautorun mode": set the autorun mode.

mode = 0 : disable autorun mode.

mode = 1 : enable autorun mode.

After power on or reset the system, OS will also check INIT\* pin first, if it is not short to GND then search the command file "autoexec.bat", if it can not find the "autoexec.bat" then it will run the command "runexe" without parameter.

mode = 2 : enable autorun mode.

The same as mode 1, but run the command "runexe [parameter]".

The [parameter] is set by the command "setparam".



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setparam  
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"setparam [param]" work with the autorun mode 2.

"setparam" without parameter will clear the parameter. Then autorun mode 2 is equal to autorun mode 1.

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setcom  
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"setcom n" : show the setting of "COM n".(baud rate & data format)

"setcom n baud parity data\_bit stop\_bit":

Set the baud rate & data format of "COM n". Just store the value into EEPROM.

These setting are used by VCOM3xxx.

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setprompt  
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"setprompt newPrompt" can change the OS prompt message to the new prompt message. The new prompt will be store in the EEPROM.

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you want use COM2 as the console port ?

use the command "stdcom 2" to set the COM2 as the console port.

use "stdcom 1" set it back to COM1.

Only MiniOS7 2.0 support this command. Results are non volatile.

But when use the RS-485 port as the console port the input command must be input one byte then wait the

OS echo and then can input the second byte.(Because the RS-485 works in half-duplex. mode.)