

# Upgrade in Boot Mode

1. Connect your product and TFTP server in the same Hub.
2. Connect your Product with computer via RS-232 cable then power on Product . If “Boot” still can work, we can try to enter boot mode and download new Rom file to fix the problem.

Note: Please be careful of the Rom file type you prepare to upgrade.

(1) [App Rom]-only application section is crashed

(2) [2MB Rom]-e.g. DSP files crashed

(3) [Boot Rom]-fail to upgrade in boot mode

3. If you can't see boot sector on hyper terminal, please send back your product for RMA.

```
Attached TCP/IP interface to cpm unit 0
Attaching interface lo0...done
```

Press “Enter” immediately  
within 3 seconds.

```
Please wait while system is initializing .....
```

# Upgrade in Boot Mode

After login in boot mode,

```
Attached TCP/IP interface to cpm unit 0
Attaching interface lo0...done

Please wait while system is initializing .....

boot line : cpm(0,0)host:vxworks h= e=192.168.4.187 u= pw= g=192.168.1.254

login   : water
password : 3333
<BOOT> c
- Please input your new network address.
- Tftp server addr: 192.168.1.1
- Target addr: 192.168.1.2
- Gateway addr: 192.168.1.254
- Subnet mask of AP: 255.255.0.0
```

Press "c" to  
change network  
address

## Then enter:

1. TFTP server IP address
2. Gateway IP address (Must be at the same c class subnet mask with TFTP server)
3. Default Gateway IP address
4. Subnet Mask (this only works in application)

# Upgrade in Boot Mode

Then,

```
login      : water
password   : 3333
<BOOT> c
- Please input your new network address.
- Tftp server addr: 192.168.2.107
- Target addr: 192.168.2.154
- Gateway addr: 192.168.1.254
- Subnet mask of AP: 255.255.0.0

- Your input is
- Tftp server addr: 192.168.2.107
- Target addr: 192.168.2.154
- Gateway addr: 192.168.1.254
- Subnet mask of AP: 255.255.0.0

- if network address is correct, please press 'y' to
  setup configuration, else press 'n' to continue
y bootline configuraton OK.
- auto reset
Starting at 0x2800100...

Attached TCP/IP interface to cpm unit 0
Attaching interface lo0...done

Please wait while system is initializing .....

boot line : cpm(0,0)host:vxworks h=192.168.2.107 e=192.168.2.154 u=vwusr pw=vwusr g=192.16
8.1.254

login      :
```

Press “y” if all network address are correct

Then WellTech Product will reboot automatically.

Press “Enter” immediately again with in 3 seconds.

# Upgrade App in boot mode

After login in boot mode,

```
<BOOT> f
- Transfer File Name: 6fxo.115a
<BOOT> d
- download program.
- Load ....
Tftp transfer OK.
<BOOT> p
- programming ap sector

Please wait for a moment!!!

      Boot Rom : boot.104
Application Rom : 6fxo.115a
- programming OK.
<BOOT> g
- run ap program
Starting at 0x2880100...
```

Press "f" then key in file name which prepared to download

Then press "d" to start to download

Press "p" to program application sector

After download is finished, press "g" to run application

# Upgrade 2MB in boot mode

After login in boot mode and finish change network address,

```
<BOOT> f
- Transfer File Name: 2m6fxo.115a
<BOOT> d
- download program.
- Load ....
Tftp transfer OK.
<BOOT> z
- programming 2M rom file
- Be sure to program boot sector!!?(y/n):y
Please wait for a moment!!!

      Boot Rom : wg-boot.104
Application Rom : wg3806kc0806.bin
- programming OK.
<BOOT> r
- software reset
Starting at 0x2800100...

Attached TCP/IP interface to cpm unit 0
Attaching interface lo0...done
```

Press "f" then enter file name which prepared to download

Then press "d" to start to download

Press "z" to program boot sector

Press "y" to confirm program boot sector

After download is finished, press "r" to reboot from boot sector

# Upgrade 2MB in boot mode

## Note:

1. After 2m software been upgraded, MAC address will return to default value. Please reset it. You may find MAC address label at the bottom of your product in format “0001a8xxxxxx”.
2. Please use command **setmac** to reset your MAC address in application mode.

```
usr/config$ setmac  
- Enter MAC address (XXXXXXXXXXXX) : _
```

# Upgrade Boot in boot mode

After login in boot mode and changed network address,

```
<BOOT> f
- Transfer File Name: wg-boot.104
<BOOT> d
- download program.
- Load ....
Tftp transfer OK.
<BOOT> b
- Programming boot sector.

- Be sure to program boot sector!!?(y/n):y
Please wait for a moment!!!

      Boot Rom   : wg-boot.104
Application Rom : wg3806kc0806.bin
- programming OK.
<BOOT> r
- software reset
Starting at 0x2800100...

Attached TCP/IP interface to cpm unit 0
Attaching interface lo0...done
```

Press "f" then key in file name which prepared to download

Then press "d" to start to download

Press "b" to program boot sector

Press "y" to confirm program boot sector

After download is finished, press "r" to reboot from boot sector