

## AntMiner FAQ

### Q: How to reset to the default state?

A: There is no reset button in the first batch of AntMiner. If AntMiner has to be reset, please follow these steps.

Step 1: Set your PC's IP address as 192.x.168.2.x, and then connect AntMiner with your PC via a network cable.

Step2: Power on AntMiner for a while when it is in the normal state. The WAN LED should be light.

Step3: Short the RESET PIN to 3.3V like the following picture for more than 3 seconds.



Second pin from left



Second pin from Bottom

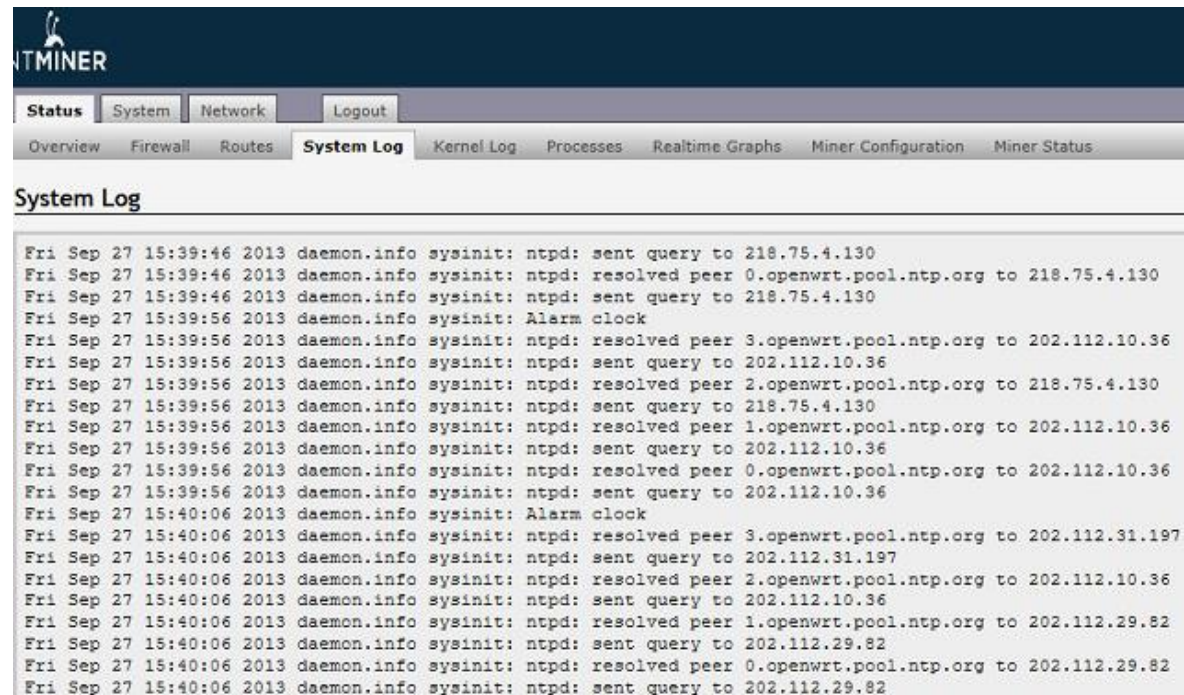
Step4: Power off, and then disconnect RESET pin from 3.3V.

Step5: Power on. Ping 192.168.2.99.

### Q: How to fix Network Time Protocol daemon (NTPD) Error?

Error: Inside some special network environment, NTPD server can't not be accessed and it is failed

to start cgminer. More information can be found at "Status -> System Log" tab.



The screenshot shows the ANTMINER web interface with the 'System Log' tab selected. The log contains the following entries:

```

Fri Sep 27 15:39:46 2013 daemon.info sysinit: ntpd: sent query to 218.75.4.130
Fri Sep 27 15:39:46 2013 daemon.info sysinit: ntpd: resolved peer 0.openwrt.pool.ntp.org to 218.75.4.130
Fri Sep 27 15:39:46 2013 daemon.info sysinit: ntpd: sent query to 218.75.4.130
Fri Sep 27 15:39:56 2013 daemon.info sysinit: Alarm clock
Fri Sep 27 15:39:56 2013 daemon.info sysinit: ntpd: resolved peer 3.openwrt.pool.ntp.org to 202.112.10.36
Fri Sep 27 15:39:56 2013 daemon.info sysinit: ntpd: sent query to 202.112.10.36
Fri Sep 27 15:39:56 2013 daemon.info sysinit: ntpd: resolved peer 2.openwrt.pool.ntp.org to 218.75.4.130
Fri Sep 27 15:39:56 2013 daemon.info sysinit: ntpd: sent query to 218.75.4.130
Fri Sep 27 15:39:56 2013 daemon.info sysinit: ntpd: resolved peer 1.openwrt.pool.ntp.org to 202.112.10.36
Fri Sep 27 15:39:56 2013 daemon.info sysinit: ntpd: sent query to 202.112.10.36
Fri Sep 27 15:39:56 2013 daemon.info sysinit: ntpd: resolved peer 0.openwrt.pool.ntp.org to 202.112.10.36
Fri Sep 27 15:39:56 2013 daemon.info sysinit: ntpd: sent query to 202.112.10.36
Fri Sep 27 15:40:06 2013 daemon.info sysinit: Alarm clock
Fri Sep 27 15:40:06 2013 daemon.info sysinit: ntpd: resolved peer 3.openwrt.pool.ntp.org to 202.112.31.197
Fri Sep 27 15:40:06 2013 daemon.info sysinit: ntpd: sent query to 202.112.31.197
Fri Sep 27 15:40:06 2013 daemon.info sysinit: ntpd: resolved peer 2.openwrt.pool.ntp.org to 202.112.10.36
Fri Sep 27 15:40:06 2013 daemon.info sysinit: ntpd: sent query to 202.112.10.36
Fri Sep 27 15:40:06 2013 daemon.info sysinit: ntpd: resolved peer 1.openwrt.pool.ntp.org to 202.112.29.82
Fri Sep 27 15:40:06 2013 daemon.info sysinit: ntpd: sent query to 202.112.29.82
Fri Sep 27 15:40:06 2013 daemon.info sysinit: ntpd: resolved peer 0.openwrt.pool.ntp.org to 202.112.29.82
Fri Sep 27 15:40:06 2013 daemon.info sysinit: ntpd: sent query to 202.112.29.82

```

A:

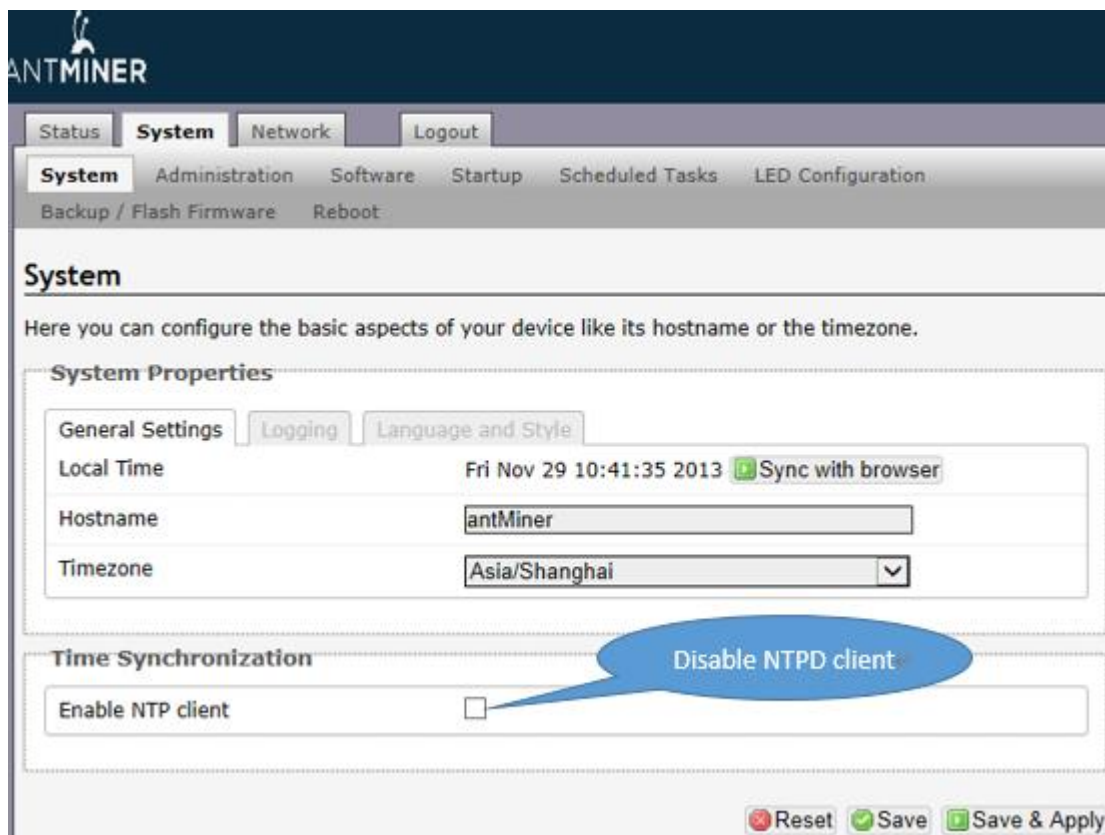
Step1: Modify /etc/init.d/cgminer as following to disable the NTPD detect for cgminer

```

#         if [ ! -f /tmp/cgminer-ntpdone ]; then
#             while [ "$NTPD_RET" != "0" ]; do
#                 ntpd -d -n -q -N \
#                 -p 0.openwrt.pool.ntp.org \
#                 -p 1.openwrt.pool.ntp.org \
#                 -p 2.openwrt.pool.ntp.org \
#                 -p 3.openwrt.pool.ntp.org
#
#                 NTPD_RET=$?
#             done
#             touch /tmp/cgminer-ntpdone
#         fi
#         echo $PARAMS

```

Step2: Disable NTPD client for linux.



**System**

Here you can configure the basic aspects of your device like its hostname or the timezone.

**System Properties**

General Settings | Logging | Language and Style

Local Time: Fri Nov 29 10:41:35 2013 [Sync with browser](#)

Hostname: antMiner

Timezone: Asia/Shanghai

**Time Synchronization**

Enable NTP client ☐ **Disable NTPD client**

[Reset](#) [Save](#) [Save & Apply](#)

Step3: Restart AntMiner.

Q: How to change the clock frequency of AntMiner?

| Frequency (MHz) | ASIC hash rate (GHz) | ASIC Hex Value | Timeout for 32-chip chain (ms) |
|-----------------|----------------------|----------------|--------------------------------|
| 150             | 1.2                  | 0581           | 94                             |
| 175             | 1.4                  | 0681           | 80                             |
| 200             | 1.6                  | 0781           | 70                             |
| 225             | 1.8                  | 0881           | 63                             |
| 250             | 2.0                  | 0981           | 56                             |
| 275             | 2.2                  | 0A81           | 51                             |
| 300             | 2.4                  | 0B81           | 47                             |
| 325             | 2.6                  | 4C81           | 43                             |
| 350             | 2.8                  | 4D81           | 40                             |
| 375             | 3.0                  | 4E81           | 38                             |
| 400             | 3.2                  | 4F81           | 35                             |
| 425             | 3.4                  | 5081           | 33                             |
| 450             | 3.6                  | 5181           | 31                             |
| 475             | 3.8                  | 5281           | 30                             |
| 500             | 4.0                  | 5381           | 28                             |