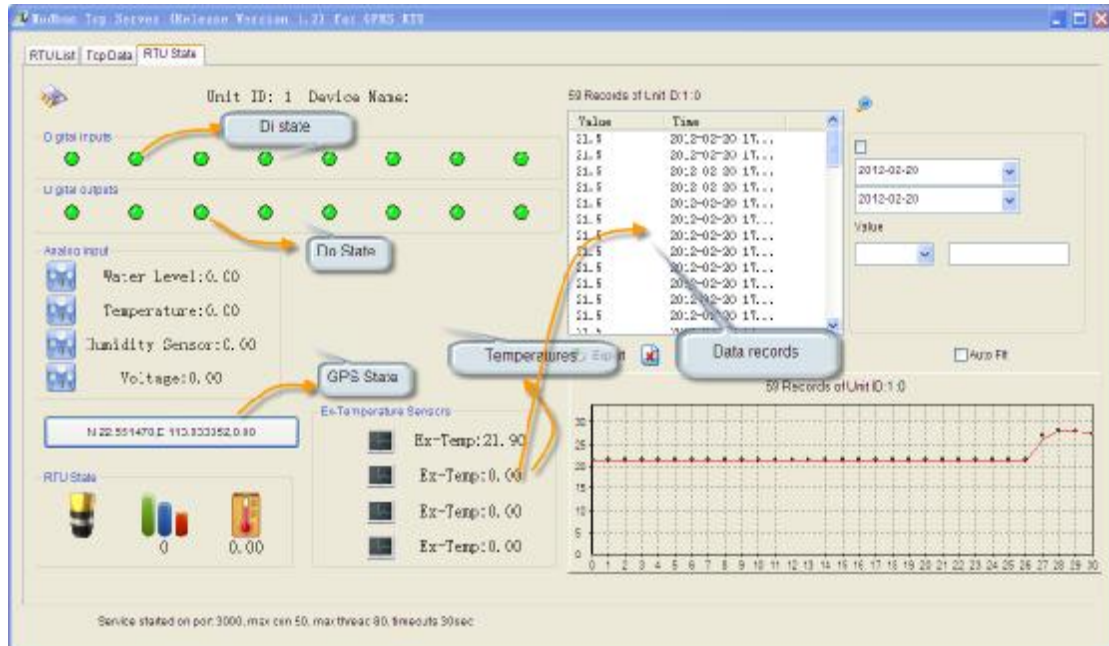


# How to Use CWT5016 and GPRS Server

## 1 The GPRS Server Snapshot



**Note:** At the first time run the server, please copy the Database file RTU.mdb to C:/RTU/

1.1 Create a RTU with Unit ID is 1

1.2 Double click the RTU with Unit ID1, page fly to RTU State of this RTU.

Then if any data reach to the server, will display in the RTU State Page.

## 2. What you should Setup in the RTU

2.1 In the page "Basic Parameters", setup the device Id. The device id used in CWT\_IO protocol.

Basic

CS Phonenumber

Basic Parameters

Alarm Parameters

All Sms

System Prio

Input and Output

Ain Sensor

Data Transmission

Sensors

Other

gas band:

con typ:  parity:

☐ alarm when gas signal lev

☒ daily report at 10/a.m.

☒ send proofline sms to es when powerup

☐ send proofline sms to cy when powerup

time service:

basic descriptions (auto add with alert):

☒ reply sms for remote successful sms commands

☒ reply sms for remote incorrect sms commands

pin code:  pbk code:

name number:

device id:  8 characters

country code:

☒ Save

The Device Id must setup

2.2 In the page “GPRS Setup”, Setup the User/Password/APN of GPRS network.  
Setup at least one Server, choose CWT\_IO protocol, and fill the Server Address with domain name of IP and the PORT.

The screenshot shows the GPRS Setup interface. On the left is a sidebar with menu items: Basic, Input and Output, Ain Sensor, Data Transmission, GPRS Setup (highlighted with a green circle), Sensors, and Other. The main area displays the 'GPRS Settings' dialog box. In this dialog, the 'Enable GPRS transfer' checkbox is checked. The 'APN' field is set to 'cmnet'. The 'GPRS idle timeout (min)' is 0, 'TCP connection timeout (sec)' is 25, and 'ModbusTCP unit id' is 1. The 'Enable CWT IO protocol' checkbox is checked. A 'GPRS Server' configuration window is open, showing the 'Server address' as '193.15.157.10', 'Service Port' as '3000', 'Tcp/Tcp' as 'Tcp', and 'Service Protocol' as 'CWT\_IO' (highlighted with a green circle). Below these windows is a table listing the configured servers.

Index	Srv addr	Srv Port	Tcp/Udp	Protocol	Idle Tm	Response
Ad Srv0		3000	Tcp	GPRS DTY	0	0
Ad Srv1		3000	Tcp	GPRS DTY	0	0
Ad Srv2	193.15.157.10	3000	Tcp	CWT IO	0	0
Ad Srv3		3000	Tcp	GPRS DTY	0	0

### 3 How to upload samples

3.1 Digital inputs alarm will automatic upload. No need setup.

3.2 Upload digital inputs and digital outputs by Timer.

Setup in page “Other”->”Timers”



**Second timers**


counter 0	per	<input type="text" value="15"/>	seconds	exec	<input type="text" value="upload dout by gprs"/>	▼
counter 1	per	<input type="text" value="15"/>	seconds	exec	<input type="text" value="upload din by gprs"/>	▼
counter 2	per	<input type="text" value="0"/>	seconds	exec	<input type="text" value="upload dout by gprs"/>	▼
counter 3	per	<input type="text" value="0"/>	seconds	exec	<input type="text" value="None"/>	▼

### 3.3 Upload analog inputs by Timer.

Setup in page "Other"->"Timers"

**Minutes Timers**

counter 0	per	<input type="text" value="0"/>	minute	exec	<input type="text" value="None"/>	▼
counter 1	per	<input type="text" value="0"/>	minute	exec	<input type="text" value="None"/>	▼
counter 2	per	<input type="text" value="0"/>	minute	exec	<input type="text" value="None"/>	▼
counter 3	per	<input type="text" value="3"/>	minute	exec	<input type="text" value="upload ain by gprs"/>	▼



### 3.4 Upload GPS by Timer

Setup in page "Other"->"Timers"

Second timers

counter 0	per	<input type="text" value="0"/>	seconds	exec	None
counter 1	per	<input type="text" value="0"/>	seconds	exec	None
counter 2	per	<input type="text" value="15"/>	seconds	exec	upload GPS
counter 3	per	<input type="text" value="0"/>	seconds	exec	None

### 3.5 Upload Ex-Temperatures

In the page "Ext temperature", user can setup the upload timer of Ex-temperatures

Basic

Input and Output

Ain Sensor

Data Transmission

Sensors

Buzzer

Ext. Temperature

temperature logs

Build-in Temperature

Battery

Extend wired temperature sensor DS18B20

No.	Value	High	Low	Adju...	Lag	Alar...	Re-A...	Alar...	24Hours	Seun...	Enabl
0	21.62	0	0	0	2	0	0	15	1	1	1
1	0.00	0	0	0	2	0	0	15	1	1	1
2	0.00	0	0	0	2	0	0	15	1	1	1
3	0.00	0	0	0	2	0	0	15	1	1	1

Wired export temperature timer(sec)

GPRS upload temperature timer(sec)

Upload when changed

Save

GPRS upload Timer