

1. Devices connect to Computer via RS485 to USB Conveter

(1) For connection between ADW300 and computer using RS485 to USB converter. USB side of Converter plug in computer USB port, and RS485 side of conveter connected to PIN #21(A+) and PIN#22(B+) of ADW300.

(Noted: PIN #21 of ADW300 connect to "485+/Tx+" of converter; PIN #22 of ADW300 connect to " 485-/Tx-" of converter)

(2) Power up ADW300 using PIN 1&PIN 2 by using power source with the voltage range of 85~ 265Vac/Vdc.





1. Devices connect to Computer via RS485 to USB Conveter

(3) Check COM port on computer (You can check the COM port on the computer's device manager. If you can't find it, please update to the latest USB driver)



(4) Open Adjustment Software

名称	修改日期	类型	大小
📄 en	2021/9/15 13:49	文件夹	
📑 zh-CN	2021/9/15 13:49	文件夹	
ADW300 setup software.exe	2021/10/8 15:36	应用程序	3,345 KB
Microsoft.VisualBasic.dll	2019/12/6 16:49	应用程序扩展	644 KB
Microsoft.VisualBasic.PowerPacks.Vs	2010/3/18 20:15	应用程序扩展	254 KB



1. Devices connect to Computer via RS485 to USB Conveter

(5) Change Language Setting

• V1.37	beta				-										
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		广播	读ADW300地址												

(6) Press "SET" and press" Serial Set" button and set the parameter as below (Note: COM No. should be as same as what we checked in the computer manager before)

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ADW300 Software Adjustment&Configuration Manual

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1. Devices connect to Computer via RS485 to USB Conveter



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2. APN Configuration [For ADW300-4GHW, 4G Version]

- (0) Find "environment 2" interface.
- (1) Press "Read (读取)" button first to check the current APN setting.
- (2) Configure the APN setting according to your APN setting on 4G SIM card [If no APN username and
- password, then remain blank for these 2 settings]
- (3) Press "Set(设置)" button for saving the setting.
- (4) Press "Read (读取)" button for checking whether setting complete.

Noted: APN_EN remain "open (开启)".

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		Boa	ardcast Address																	



3. WiFi SSID&Password Configuration [For ADW300-WF, WiFi Version]

(1) Press " >" button until we find WiFi setting interface

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SET Language				
ADDR: 2 ReadBata	CloseFort	version:	2107	
monitoring			Residual	harmonic demand Ristory of electricity multi-rate [Mil] Microsoft Mill Special register (171
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Qa 0.000 Qb	0.000 Qc	0.000	Total Q0.000	until we find WiFi
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(2) Press " Read" button to see current WiFi setting

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3. WiFi SSID&Password Configuration [For ADW300-WF, WiFi Version]

(3) Change WiFi SSID and Password, then press "SET" button to save the new WiFi setting. Then press "READ" button to double check if your new setting was saved

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4. Multi-rate/Tariff Configuration Setting

Before get into operation, we need to understand some concept below:

(1) There are 4 rates in total, from the highest rate to the lowest rate will be as:

尖(Sharp) F1 Rate (1st high rate)

峰(Peak) F2 Rate (2nd high rate)

平(Flat) F3 Rate (3rd high rate)

谷(Valley) F4 Rate (4th high rate)

(2) 时段表 (Rate Period Chart)

This Rate Period Chart will define how the multi-rate will be set in 1 daily day. 3 pattern of Rate Period Chart available. And daily day could divided into max 14 "Period", each "Period" could be bound to 1 certain rate.

For example, in one daily day, if we want to define

" Rated Period Chart 1" as below:

峰(Peak) F2 Rate Period: 11:00~12:00 (Today), 14:00~21:00 (Today)

平(Flat) F3 Rate Period: 07:00~11:00 (Today), 12:00~14:00 (Today), 21:00~23:00 (Today)

谷(Valley) F4 Rate Period: 23:00 (Today) to 07:00 (Next Day)

" Rated Period Chart 2" as below

尖(Sharp) F1 Rated Period: 15:00~17:00 (Today)

峰(Peak) F2 Rate Period: 11:00~12:00 (Today), 14:00~15:00 (Today), 17:00~21:00 (Today)

平(Flat) F3 Rate Period: 07:00~11:00 (Today), 12:00~14:00 (Today), 21:00~23:00 (Today)

谷(Valley) F4 Rate Period: 23:00 (Today) to 07:00 (Next Day)

" Rated Period Chart 3" as below

- 尖(Sharp) F1 Rated Period: 19:00~21:00 (Today)
- 峰(Peak) F2 Rate Period: 11:00~12:00 (Today), 14:00~19:00 (Today)
- 平(Flat) F3 Rate Period: 07:00~11:00 (Today), 12:00~14:00 (Today), 21:00~23:00 (Today)
- 谷(Valley) F4 Rate Period: 23:00 (Today) to 07:00 (Next Day)

Then, this will be how we set in ADW300 adjustment software, Picture:



ADW300 Software Checking&Configuration Manual

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4. Multi-rate/Tariff Configuration Setting

Noted:

#1: Set of Time was from Early Time to Late Time

#2: We set the time point to define period, for example,

For Point 1: We set Rate to平(Flat), set 分(Min) to 0, set 时(Hour) to 7. Then we create a point timed at 07:00 bound with Rate 平(Flat). So, until it the time met next point, will still use 平 (Flat) as rate, also, if the Point 2 is of 11:00, then for duration 07:00 ~ 11:00, will always use rate 平 (Flat). So, our previous setting for "平(Flat) F3 Rate Period: 07:00~11:00 (Today)" has been define by these 2 Point 1&2

#3: If the time period across the today to next day, we just need to set the latest point of time in today, and it will jump to the earliest point next day. For example, in the picture 2.1, the latest point of time was 23:00, and the earliest point of time is 07:00. Then, in the setting of picture 2.
1, Period 23:00 (Today) ~ 7:00 (Next day) will be bound with Rate 谷(Valley), and meanwhile 00:00 (Today) ~ 07:00 (Today) will also be bound with Rate 谷(Valley).



4. Multi-rate/Tariff Configuration Setting

(3) 时区表 (Rate Zone Chart)

This Rate Zone Chart will define from date " xx/xx (Month/Day)" to date " xx/xx (Month/Day)", will use a certain Rate Period Chart. There are 4 Rate Zone Chart available for setting. For example, in one year, we can define:

From "January 26th to July 25th" and "August 26th to December 25th", use "rate period chart 1"

From "July, 26th" to "August, 25th", use "rate period chart 2"

From "December 26th" to "January 25th" use "rate period chart 3"

Then, this will be how we set in ADW300 adjustment software, Picture:

Kate Ferror Constraints ADDR 6 ReadData ClosePort Version: 2447 Residual Residual Alarm Parameter2 DIDO DI&DO&BADARIAR harmonic demand Histor of electricity multi-rate Mare Parameter2 DIDO DI&DO DI&DO&BADARIAR harmonic demand Histor of electricity multi-rate Mare Parameter2 DIDO DI&DO DI&DO&BADARIAR harmonic demand Histor of electricity multi-rate Mare Parameter2 DIDO DI&DO DI&DOBADARIAR harmonic demand Histor of electricity multi-rate Mare Parameter2 DIDO DI&DO DI&DOBADARIAR harmonic demand Histor of electricity multi-rate Mare Parameter2 DIDO DI&DO DI&DOBADARIAR harmonic demand Histor of electricity multi-rate Mare Parameter2 DIDO DI&DO DI&DOBARIAR harmonic demand Histor of electricity multi-rate Microsoft MQTT Specia I I I I I I I I I I I I I I I I I I I	×		-																har	ind (Pori	"Pate							.41	吹件-V1	🚽 调试
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