The specific use manual for Huabao PC tool

1. Open the pc tool

Choose the correct Port Number, Baud Rate, Data Bits, Parity Bit, for most of the speed limiters, select baud rate 115200, Data Bits to 8 and Parity to ODD, then check on the ASCII option so you can see the parameters of device in the right blank space, no matter the information set or read or device's raw data transmitting. If the port is correct and open successfully, the icon will be green otherwise it will be grey. If you can not find out the port, you shall install the driver of your serial cable.

Note: When you open the PC tool and pop up the notification that reminded you the software is expired, you can give us the SN.dll file which is in the source file of PC tool and we will help you to register it.

🧵 Date	2021-2-10 15:25	文件夹	
GBset.ini	2021-2-10 16:01	配置设置	2 KB
🕤 GBsetEX.ini	2020-3-28 16:36	配置设置	1 KB
anguage.lng	2020-3-13 19:53	LNG 文件	19 KB
🥻 Mononucleate.exe	2020-3-28 17:59	应用程序	2,503 KB
🕤 pram.ini	2013-1-23 9:59	配置设置	4 KB
🗟 SN.dll	2020-9-9 9:52	应用程序扩展	1 KB
System.ini	2021-2-10 16:24	配置设置	1 KB

Client management to	ol-Copyr	ight:Shenzher	n Huabao Electr	onic Technol	logy Co.,Ltd V3.6.1	1.11			
Serial Port Settings DTR_4 BTS_7 Port Number Com4 Baud Rate 115200 Data Bits 8 Parity Bit Odd Close serial port Setup Mode	ASCII								
Single Set Batch Set	V	16:38:43				Clear	Save		
Basic Parameters GB Record	ler Exten	ded Parameters	Extended Parame	eters-2 Extend	ed Parameters-3 Set	Card			
Serial Number		Set	Read	Factory Re	eset	Custome	r Number		
SIM Card No. HEX			Set	Read	IP:	39.108.194.249		Set	Read
SMS permit No. 🛛 🗸 🗸			Set	Read	Port	6608		Set	Read
SMS password			Set	Read	APN:	CMNET		Set	Read
Terminal ID			Set	Read	Networking	TCP	~	Set	Read
Terminal Type			Set	Read	Main Power	12 V	~	Set	Read
Manufacturer Code			Set	Read	Speed Type	Pulse Speed	~	Set	Read
					Alarm Type	Voice Alarm	~	Set	Read
Import configuration Expension	ort Configu	ration	Read System C	onfiguration					

2. Paramters configuration and read

2.1 Basic Parameters

💕 PC-tool V3.6.13.4						
Serial Port Settings DTR_4 RTS_7 Port Number Com1 ✓						~
Baud Rate 115200 V						
Data Bits _8 ~						
Parity Bit odd ~ Hex						
Open serial port						
Single Set Batch Set V 16:42:17				Clear Save		~
Basic Parameters GB Recorder Extended Param	eters Extended	Parameters-2	ELOCK			
Serial Number Set	Read	Factory Re	set	Customer Number		
SIM Card No. 🖌 Auto	Set	Read	IP	183. 62. 139. 755	Set	Read
SMS permit No. 1 🗸	Set	Read	Port	6608	Set	Read
SMS password	Set	Read	APN	CMNET	Set	Read
Terminal ID	Set	Read	Networking	TCP ~	Set	Read
Terminal Type	Set	Read	Main Power	12 V 🗸	Set	Read
Manufacturer Code	Set	Read	Speed Type	Pulse Speed 🗸 🗸	Set	Read
			Alarm Type	Voice Alarm \sim	Set	Read
Import config Export Config						
Read Version Read System Config						

◆ SIM Card No. HEX Read and Set: Fill in 10-12 digits number as the device's SIM Card No.(Usually it is eauql with serial number),Click read button can read the current device's SIM card number

- ◆ SMS permit No. Set and Read the SMS permit number
- ♦ SMS password Set and Read the SMS center number
- Terminal ID Set and Read the terminal ID, usually default is the last 7 numbers of serial number
- ◆ Terminal Type Set and Read the terminal type
- ◆ Manufacture Code Set and Read the manufacture code, usually it is default
- ◆IP Set and read device's IP or domain
- ◆ Port Set and read device's online port
- ◆APN Set and read SIM card's apn, it is depend on your SIM card operator
- Networking Set and read data tramitting way,tcp and udp
- ♦ Main Power Set and read your device's Main Power voltage, depend on your device's providing voltage
- Speed Type
 Set and read speed type, you can set to GPS、 Pulse or CAN speed type, depend on your regirements
- ◆ Alarm Type Set and read Alarm type, 3 options:Voice Alarm 、 Buzzer Alarm and Peripheral Alarm
- Import configure Import device's current configuration

- ◆ Export configure
- Export device's current configuration
- Read Version

Read device's current firmware version

◆ Read System Configure Read all the configuration

2.2 GB Recorder

💕 PC-tool V3.6.13.4	- 🗆 X
Serial Port Settings	^
Port Number	
Baud Rate 115200 ASCII	
Data Bits _8 🗸	
Parity Bit odd v	
Open serial port	
Setup Mode	~
Single Set Batch Set V 16:58:08	Clear Save
Basic Parameters GB Recorder Extended Parameters Extended Parame	ters-2 ELOCK
Pulse Factor	Real-Time Clock
Pulse Factor 4992 Set Read	✓Current time 2012- 8-31 ∨ 20:56:31 ‡ Set Read
Automatic Calibration Off 🗸 Set Read	Install Time
Plate Number, Vehicle Type and VIN	✓Current time 2012- 8-31 ∨ 20:56:31 ‡ Set
Plate Number Vehicle Type	Mileaze
VIN Set Read	Initial Mileage 0.1Km Set Read
Speed Alarm	Recorder Information
Speed Alarm 100 km/h	Authentication Code Production Date 2019-11-9 V
Fatigue drive 240 min Set Read	Product Type Serial Number
Rest time 20 min	
CAN	Current Driver Information
CAN standard OCAN parameters	Driver's License Read
Operation Undate	Record List
Te Jan 0 (0~122)	Record Type speed record V
Read filter table	Start Time 2021-3-11 × 16:41:43
Attribute Extended r V Channe V	Omanual
	End Time 2021-3-11 v16:41:43 🖨
Sample interval 0 (0~65535)S	Callestics
Enter bypass mode Exit bypass mode	COLLECTION

2.2.1 Pulse Factor

- ◆ Pulse Factor Set and read pulse factor
- ♦ Automatic Calibration
 Open or close automatic calibration, use for calibrating pulse factor
- 2.2.2 Plate number \smallsetminus Vehicle Type and VIN

Fill in these three number and set together, or click read button to read all of it, usually use for setting plat number and VIN number of vehicle

- ◆ Plate number
- ◆ Vehicle type
- ♦ VIN
- 2.2.3 Speed Alarm

◆ Speed Alarm Set and read the over speed alarm(Also it is the limit speed value of speed limiter)

- ◆ Fatigue alarm The fatigue alarm threshold, unit: minute
- ◆ Rest time Read time per when fatigue driving, unit: minute
- 2.2.4 CAN
 - ◆ CAN Standard Configure the correct CAN standard and add the CAN ID which device

support, this is for device detecting the vehicle's CAN data and achieve the monitor by customer

- ◆CAN Parameters Include the CAN baud rate and CAN data receive mode
- 2.2.5 Real-time clock
 - ♦ Current time Cick it means only can read and set current time, not click can set any time by yourself
- 2.2.6 Install time
 - ♦ Current time Click it means set the installation time to current, not click you can fill in the correct install time
- 2.2.7 Mileage
 - ♦ Initial Mileage Read or set the initial mileage, unit: 0.1KM
- 2.2.8 Recorder Information

◆ Authentication Code Set and read the authentication of device, production date means product device date

- Product Type
 Set the product type
- ◆ Serial number Set the serial number of device
- 2.2.9 Current Driver Information
 - Driver license Read the driver's license
- 2.2.10 Record list
 - Record Type

Select Auto or Manual method to start recording, also select the period you want to record

2.3 Extended Parameters

Sarial Port Settings DTR_4 ETS_7 Part NumberConl v Baad Rate 115200 v ASCII Data Bits B v Parity Bit odd v Her Parity Bit odd v Her Setup Mode Single Set Batch Set V 17:06:24 Clear Save Clear Save Clear Save Basic Parameters GB Recorder Extended Parameters? ELOCK Clear Save Basic Parameters GB Recorder Extended Parameters? ELOCK Clear Save Clear Save Clear Save Punction Flag Set pode OTS switch Clock "stop position" OFS drift prevention Judging mode for car Flag value Disable v Set Read Command Set Command J Positioning Mode Print/Dabug Print grade S v Set Set	💕 PC-tool V3.6.13.4							<u> </u>		×
Baud Rate 115200 V ASCII Data Bits 3 V Parity Bit old Hex Barmeters Open serial port Hex Setup Mode Clear Single Set V 17:06:24 Clear Save Basic Parameters GR Recorder Extended Parameters Extended Parameters-2 ELOCK Clear Camera Save camera enable Off upload enable Off photo intervals 3 amber of photos 65555 Gomera info Flag value Time zone * Time zone * Time zone * Positioning Mode Set Positioning Mode Set Proint/Debug Set Print grade Set	Serial Port Settings DTR_4 RTS_7 Port Number Com1 ~									^
Data Bits 9 Parity Bit 0dd Parity Bit 0dd Open serial port 17:06:24 Satup Mode Clear Satup Mode V Incle Set 8 Extended Parameters 2 ELOCK Camera camera camera 0 ff upload enable 0 ff photo intervals 3 * 20s number of photos 65535 (0-65535) Set Time zone * 08<:00	Baud Rate 115200 ~	ASCII								
Parity Bit old Parity	Data Bits _8 ~									
Upen serial port Single Set Basic Farameters GE Recorder Extended Parameters Easic Farameters GE Read oamera enable Off upload enable Off upload enable Off photo intervals 3 * 20s number of photos 65535 (0-65535) Set oamera info Time zone * 08 : 00 Time zone * 08 : 00 Set Read Country Code *254 Positioning Mode Set Positioning Mode Set Print grade Set	Parity Bit odd ~	Hex								
Single Set Batch Set V 17:06:24 Clear Save Basic Parameters GB Recorder Extended Parameters Extended Parameters-2 ELOCK Camera oamera channel 1 Image: Set Batch Set Batch Set Batch Set Set Batch Set	Setup Mode									~
Basic Parameters GB Recorder Extended Parameters Extended Parameters-2 ELOCK Camera oamera channel 1 ~ Function Flag camera enable Off ~ Sleep mode upload enable Off ~ Orderstand photo intervals 3 * 20s Orderstand number of photos 65535 Orderstand Orderstand photo type small r Read camera info Flag value Disable Set Time zone * O8 : 000 Set Read Country Code *254 Set Read Command Set Command ID FE Ostandard Non-standard Positioning Mode Frint grade Set Read S#000000, RDST S#000000, RDST	Single Set Batch Set	V 17:06:24				Clear	Save]		
Camera camera channel 1 camera channel 1 camera enable 0ff upload enable 0ff photo intervals 3 * 20s number of photos 65535 (0-65535) Set camera info photo type small F Time zone Time	Basic Parameters GB Recor	der Extended Par	ameters Extended	Parameters-2 ELO	СК					
camera channel 1 Image: camera channel	Camera			Function	lag					
camera enable Off upload enable Off photo intervals 3 * 20s number of photos 65535 (0-65535) photo type small r Read camera info Time zone * < 08	camera channel 1	~		Sleep (node					
upload enable upload enable photo intervals number of photos photo type Set Time zone Time zone Ti	camera enable Off	~		OTTS sw	tch					
upload enable Off ~ photo intervals 3 * 20s number of photos 65535 (0-65535) Set camera info photo type small 5 ~ Read camera info Time zone Time zone * ~ 08 : 00 Set Read Country Code *254 Set Read Positioning Mode Print/Debug Print/Debug Print grade 9 Set				01.0						
photo intervals 3 * 20s number of photos 65535 (0-65535) Set camera info photo type small r V Read camera info Time zone Time zone * V 08 : 00 Set Read Country Code *254 Set Read Positioning Mode Positioning Mode Print/Debug Print/Debug Print grade 9 Set	upload enable Off	~		O Lock	cop positi	ion				
number of photos 65535 (0-65535) Set oamera info photo type small r v Read oamera info Time zone Time zone * v 08 : 00 Set Read Country Code *254 Set Read Positioning Mode Beidou mode v Set Read Print/Debug Print grade 9 v Set	photo intervals 3	* 205		OGPS dr:	it prevent	tion				
photo type small F Read camera info Time zone * 08 :00 Set Read Time zone * 08 :00 Set Read Country Code *254 Set Read Command Set Command ID FE OStandard @Extended ONon-Standard Positioning Mode Set Read @ASCII OHEX Oadd "\r" Content 5#000000, RDST Print/Debug Set Set Set Set Set	number of photos 6553	5 (0-65535)	Set camera inf	Judgin	; mode for	car				
Time zone Time zone Time zone Country Code Fositioning Mode Positioning Mode Print/Debug Print grade	photo type smal	1 ; ~	Read camera inf	o Flag val	ue Dis	able 🗸	Se	t R	ead	
Time zone + \sqrtbox 08 : 00 Set Read Country Code +254 Set Read Positioning Mode Set Read Positioning Mode Set Read Print/Debug Set Set Print/Debug Set Set Print grade Set Set	Time zone									
Country Code #254 Set Read Positioning Mode Positioning Mode Set Read Positioning Mode Set Read Print/Debug Print grade Set	Time zone 🛛 + 🗸	08 : 00	Set R	ead						
Positioning Mode Positioning Mode Beidou mode \checkmark Set Read Print/Debug Print grade	Country Code +254		Set R	ead Command S Command I	et D FE	OStandard	• Extended	() Non-	-standar	d
Positioning Mode Beidou mode V Set Read Print/Debug Print grade Set Set	Positioning Mode				۲	ASCII OHEX	Π.	dd "\r"		
Print/Debug Print grade Set	Positioning Mode Beidou	ı mode 🗸	Set R	ead Content	5#000000	, RDST				
Print grade Set	Print/Debug									
Set Read Test	Print grade	~	Set			Set Read	Test			

2.3.1 Camera

- ◆ Set camera inforamtion
- Read camera information
- 2.3.2 Time zone
 - ◆ Time zone Set and read device's local time zone
 - ◆ Country Code Set and read local country code
- 2.3.3 Position Mode
 - ◆ Positioning Mode Set and read position mode
- 2.3.4 Print/Debug
 - ◆ Print grade Set the print grade, different grade will print put different data of device, suggest you set the print grade to 4, fill the number 4 into the blank space, you can also choose other grade to see the infomation of device

2.3.5 Function Flag

- ◆Sleep mode
- TTS switch
- Lock"Stop position"
- ♦ GPS drift prevention
- ◆Judging mode for car

Notice: All of the option can set and read the flag here

2.3.6 Command Set

For almost of our device, just follow the below method:

Command ID: FE Select Extended option and ASCII

Content option fill in:5# , and then fill the command format behind the 5# symbol.For example, we want to send command #000000, RDST to check the parameters of device, then we fill this format 5#000000, RDST, and then click "Set" button, you can see the response information of device if you set the print grade to 4.

Serial Port Settings DTR_4 RTS_7 Port Number Com1 Baud Rate 115200 ASCII Data Bitz 8	<
Fort Number Com1 v Baud Rate 115200 v ASCII	
Baud Rate 115200 V ASCII	
Data Bite 8	
Parity Bit odd V Hex	
Open serial port	
Setup Mode	~
Clear Save	
Sasto Faramèters US Recorder Extended Farameters Extended Faramèters EULA Faramèters US Recorder Extended Faramèters Extended Faramèters Eulo Faramèters	
Sitep mode	
camera enable UTT V UTS switch	
upload enable Off ~ OLook stop position	
photo intervals 3 * 20s	
number of photos 65535 (negrege) Set camera info	
photo type Small 7 v Read camera info	
Time zone	
Time zone + v 08 : 00 Set Read	
Country Code +254 Set Read Command Set Command ID FE OStandard @Extended ONon-standard	
Positioning Mode OHEX HEX edd "\r"	
Positioning Mode Hybrid mode V Set Read Content 5#000000, RDST	
Print/Debug	
Print grade 4 V Set Set Read Test	

2.4 Extened Paramters-2

Configure almost paramters of device, include IP, port and other information.

For example, configure data upload interval to 30 seconds.

💕 PC-tool V3.6.13.4			\times
Serial Port Settings DTR_4RTS_7			 ^
Port Number Com1 🗸			
Baud Rate 115200 V ASCII			
Data Bits _8 V			
Parity Bit odd 🗸 Her			
Open serial port			
Setup Mode			~
Single Set Batch Set V 17:30:02	Clear	Save	
Basic Parameters GB Recorder Extended Parameters Extended Parameters-2 ELOCK			
Paris Proventing Tax T			
Dasic farameters Ext farameters			
Parameter Type Terminal heartbeat interval Main APN Main APN username Main APN username Main Server address Server TCP port Server UDP port Position reporting strategy Position reporting mode Reporting interval by tim Reporting interval by tim Default reporting interva			
Default reporting interva Reporting interval by dis Reporting interval by dis Reporting interval by dis Inflection angle for repo Limit Speed			
Continuous time on overspeed 💙			

2.5 Elock

Check the picture below, it shows how to use this interface's function

💕 PC-tool V3.6.13.4	- 🗆 X
Serial Port Settings DTR_4 RTS_7 Fort Number Com1 ~ Baud Rate 115200 ~ ASCII Data Bits _8 ~ Parity Bit odd ~ Hex Open serial port Setup Mode	~
Single Set Batch Set V 17:27:03	Clear Save
Basic Parameters GB Recorder Extended Parameters Extended Parame	ters-2 ELOCK
MAC Read RFID RFID 4021100534 Add Delete	Slave lock/unlock OSingle OAll 2001301983 Unlock Lock
Read Delete All	Slave Pairing Settings Name MAC
Lock/Unlock Unlock Password 888888 Read Set	Read Delete All
Unlock Lock	Fill in the number like this,format is HB_S_device serial number

- 2.5.1 MAC Read master or slave lock's MAC adress
- 2.5.2 RFID Read or add or delete RFID card number to device, each device can add 50 cards
- 2.5.3 Lock/Unlock Input the lock's password to lock or unlock device
- 2.5.4 Slave lock/unlock

Lock/unlock single or all slave locks

2.5.5 Slave Pairing Settings

There has one label on master or slave lock, the serial number and MAC adress on the label, just fill in the blank space and click add to pair with master