# T900-40-SMA User Guide

Version: 20230410V5.0



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# **1.Product Introduction**

T900-40-SMA (10W) is one of the digital radio stations in the T900 series. It is mainly used for transmission of high-power long distance industrial data. It has the characteristics of small volume, good integration and high sensitivity. The T900-40-SMA operates in the 902~928MHz band. T900-40-SMA is mainly divided into two models, namely T900-40A-SMA and T900-40B-SMA. The only difference between the two is the maximum transmission distance, which can reach 100KM for the T900-40A-SMA and 200KM for the T900-40B-SMA under good conditions.

## **2.Product Accessories**

T900-40-SMA (one)									
No.	Product	Description	Quantity						
1	T900-40-SMA	10W module	1						
2	Little glue stick antenna	2.5dBi	1						
3	J30J-15pin wiring	wiring	1						





Little glue stick antenna



J30J-15pin wiring

# **3.Product Connection**



T900-40-SMA Connection Steps:

The device is connected to the antenna, and the tail is connected to the J30J wiring.

- The power supply for the device ranges from DC15 to 26V. The typical value is +24V.
- Data serial port is connected to computer or flight control for data transmission and can also be used for AT command parameter configuration.
- The control serial port can be connected to the computer, and the UI software can be used for parameter configuration.



# **4.Product Use**

### 4.1. Power Supply

The T900-40-SMA device uses DC power supply. The supply voltage ranges from 15 to 26V, and the typical operating value is +24V. The maximum current required under full transmission mode with different voltage data is shown in the table below.

Supply Voltage	100% data full peak current (A)	100% data all generation					
		average current (A)					
15V	3.20A	2.10A					
18V	2.80A	1.74A					
24V	2.00A	1.30A					
26V	1.85A	1.20A					
Note: Please use 24V-2A or 18V-3A/15V-4A for power supply							

### 4.2. Wiring Definition



No.	Pin Name	Description	Direction
1	PWR	Power positive terminal	
2	PWR	Power positive terminal	
3	GND	Power negative terminal	
4	GND	Power negative terminal	
5	D_TXD	Data serial port transmits data TX	0
6	D_RXD	Data serial port receives data RX	
7	GND	The data serial port is grounded GND	0
8	C_TXD	Control serial port transmits data TX	
9	C_RXD	Control serial port receives data RX	0
10	GND	The control serial port is grounded GND	0
11	101	* reserve *	10
12	102	* reserve *	10
13	IO3	* reserve *	IO
14	104	* reserve *	10
15	GND	grounding	0

Note: Please confirm whether the serial port of the module is TTL level or RS232 level.

### 4.3. Product Indicator Meaning



### Power PWR (Green)

The power light lights up to indicate that the device is powered on.

### Transmit Lamp TX (red)

When the TX lights up, it indicates that module is sending data.

#### Receive Lamp RX (red)

When RX lights up, it indicates that the module is receiving data.

### Receiving signal strength lamp (RSSI 3 green lamps)

A greater number of energy lights indicates a greater strength of signal reception.

The RSSI lamp represents the strength of the received signal								
Numbers of RSSI energy lights on	Energy received dBm							
All 3 RSSI lights are on	About -50dBm							
2 RSSI lights are on	About-80dBm							
1 RSSI light is on	About -95dBm							

Module Type	Mode		T900-40-SMA Indicate	or Status
		RX	ТХ	RSSI 123
All	AT command	Turn off	Turn off	Turn off
	configuration mode			
Master	Normal operation	Flashing when receiving	Turn on (steady light)	Proportional to the strength of
		data		the received signal
Slave	Non-sync	Turn off	Turn off	Cycle light every 860ms
Slave	Synchronization	Turn on (steady light)	Flashing when sending	Proportional to the strength of
			data	the received signal
Repeater	Non-sync	Flashing alternately	Flashing alternately	Cycle light every 860ms
		with the sending light	with the receiving light	
Repeater	Synchronization	Flashing when receiving	Flashing when sending	Proportional to the strength of
		data	data	the received signal
		Otherwise on	Otherwise on	

When the master and slave devices are successfully paired, the power indicator and TX indicator of the master device are steady on, and the power indicator and RX indicator of the slave device are steady on. If the master/slave pairing fails, the RSSI of the slave device is always in the search state. In this case, you should re-check the configured parameters. When data is being sent or received over the serial port, the RX indicator of the master device and the TX indicator of the slave device blink.

#### 4.4. Control Serial Port Parameter Setting

The control serial port is the auxiliary serial port of T900, and the built-in UI upper computer software can be used to configure parameters and obtain the status. Its baud rate is fixed at 115200bps 8N1. T900-40-SMA control serial ports are the 8th, 9th and 10th pins in J30J-15PIN. Users can connect the computer through DB9 serial port to USB cable.

🔽 T900控制	串口配置平	台	/3.7		- + ×
基本信息 信道	信息 工程	言息	系统版本	ž	串口:
					COM4
网络类型	点对点	•	运行模式	从模式	
输出功率	1000mW	-	空口速率	172800	
网络ID	1234567890		串口格式	8N1 -	
串口波特率	9600	-	本机地址	0	
RS232/RS485	RS232	•	同步地址	0	
是否有中继	无中继	•	目标地址	0	查询
中继序号			数据重传次数		保存
信道接入方式	RTS/CTS	-	TDMA最大地址	6	
加密开关	OFF	•	加密密钥		
					.:

Control serial port parameter setting steps:

- Open the T900-UI control serial port configuration platform. If the serial port is successfully opened, the lower left corner will display that the parameters have been read successfully.
- 2) Select the Basic Information page and click the query button to query the current configuration parameters. The parameter list on the left will be updated to the current latest parameter.
- 3) Modify the required parameters.
- 4) Click the Save button to save the parameters on all pages. After the settings are saved, the device soft resets and the parameters take effect immediately.

🔅 Т9	00控制	串口配置平	~台\	/3.7		- + ×	🤹 т900	控制	串口配置	译台V	3.7		- + ×
基本信,	息信道	信息 工程	信息	系统版本	本	串口: COM4	基本信息	信道	信息 工	程信息	系统版	反本	串口: COM4 -
P	网络类型			运行模式	从模式								
4	输出功率	1000mW		空口速率	172800		RSSI-N	Mater			RSSI-Slav		
P	网络ID			串口格式			SLOT	司步状态	未同步		CRC错误包	0	
1	串口波特率	9600		本机地址			发送数	女据计数	0		接收数据计	+数 0	
F	RS232/RS485	RS232		同步地址									
ļ	是否有中继	无中继		目标地址		查询						自动查询	查询
1	中继序号			数据重传次数		保存						E 491 T M	保存
ſ	信道接入方式	RTS/CTS		TDMA最大地址									
t	加密开关	OFF		加密密钥									
						<i></i>							
🤽 Т9	00控制	串口配置平	'台'	/3.7		- + ×	🤽 Т900	控制	串口配置	t平台V	3.7		- + ×
基本信! 恢复	息 信道 「出厂设置	信息 工程	信息	系统版本	本	串口: COM4 关闭	基本信息	信道	信息 工	程信息	系统版	范本	串口: COM4 
0.00		占对占主模式					硬件版本	60136C	-30-IPEX		软件版本	0030-20221017-0A	
							生产序号		21110-0370		固件版本	0001-20221121-0A	
系统	升级	选择升级文件 <b>0%</b>			升级	查询							查询
						保存							保存

- Basic information page: Used to query and configure parameters.
- Channel information page: Display information such as RSSI energy, statistics on sent and received data, and error statistics.
- Project information page: You can upgrade the device and restore factory settings.
- System Version page: Display the version numbers of the current device.

#### 4.5.AT Software Parameter Configuration

You can configure the parameters of the AT command by using the general serial port Assistant or using the AT software of the upper computer.

	_	
(▼有別版件V3.13.1▼JSSCUIVIV3.12.1申Ц/网络双旗响或器,作有:ろ小鱼(大野)」),2618058@qq.com. QQ群		~
通讯端口 串口设置 显示 发送 多字符串 小工具 帮助 回报作者 PCB打样		
Welcome To Use T900 OK atbw 900MDr Hopping Radio System Zhejiang Tianze Communication LTD., www.okseeker.com Hardware Version 601888-30-TPEX Firmware Version 001-20220021-0A Software Version 001-20220021-0A Software Version 001-20220027-0A Software Version 001-20220027-0A		^
Network Type S133-1 Operating Mode S101-2 Wireless Link Rate S103-2 Output Power(dBm) S108-90 NetWork Address (ID) Destination Address S105-0 Synchronous Address S108-0 Destination Address S140-0 Serial Baud Rate S102-1 Packet Herransmissions S113-3 Data Format S100-1 Serial Channel Mode S142-0 Repeater Y/N Repeater JIndex Use Gpio S143-0 Encryption Enable S153-0 Repeaters Index S114-1 RSSI Form Maxter(dBm) S123-255 RSSI Form Slaver(dBm) S124-255 OK		
	55.44   4P	- el _
端口号 CLMM13 USB Serial Port ▼ HEX显示 保存数据 B接收数据到文件 HEX发送 定时发送: [UU ms/次		<u> 半狭行</u>
● 关闭串口 C 更多串口设置 加时间戳和分包显示。超时时间: 20 ms 第11 字节至末尾加校验: None	-	
□ RTS □ DTR 波特室: 115200 _ atev		^
【PCB打样】哪家强? 当然就是嘉立创!〔进入〕 发送		~
【升级到V5.13.1】★合亩高性价比4G模块值得一试 ★RI-Thread中国人的开源免费操作系统 ★新一代WiFi芯片兼容8266支持RI-Th	uread ★8	SKM近距
www.daxia.com S:20 R:936 COM13 已打开 115200bps,8,1,None,None		

You can use the general serial port terminal, through the data serial port, and use the AT command to configure parameters. For details about how to configure the AT command, see Chapter 6 of the T900 User Manual. How do I enter the AT command mode in Chapter 5 of the T900 User Manual. SSCOM general serial port tool configuration parameters operation steps:

- Correctly connect the serial port to the power supply, set the correct baud rate, and turn on the serial port.
- 2) Type '+++' to enter the AT command mode.
- 3) Enter AT&V to display the current configuration parameters.
- 4) Use the AT command to configure the required parameters (see AT command/Register instructions in Chapter 6 of the T900 User's Manual).
- 5) After the configuration is complete, enter AT&W to save the parameters.
- 6) Enter ATA to exit the AT command mode and start to work normally.

Users can also use the T900 AT configuration platform to configure parameters through the data serial port. AT The upper computer software allows users to quickly configure the T900. All its functions can also be realized by manually inputting AT commands through the above general serial port tool.

🤽 T900	)AT配置平·	台V2.	6		- + ×
网络类型 输出功率 网络ID 串口波特率 PS232/PS485	点对点 30 1234567890 9600 PS232		运行模式 空口速率 串口格式 本机地址 同步曲址	从模式 172800 8N1 0	岸口: C0M50 9600 <b>米間</b>
82327 83483 是否有中继 中继序号 信道接入方式 加密开关	R5252 无中继 1 RTS/CTS OFF		目标地址 数据重传次数 TDMA最大地址 加密密钥	0 3 6	进入AT模式 查询 保存 退出AT模式
硬件版本 生产序号 send: +++ Welcome To Us or	60136C-30-IPEX 01-20221110-0370 e T900		软件版本 固件版本	0030-20221017-0A 0001-20221121-0A	恢复出厂设置 升级
send: AT&V					清除

- AT Software configuration parameters:
- After the baud rate is set correctly, open the serial port. (The average baud rate is 9600/115200bps)
- Click To enter the AT mode (send '+++'), and the data frame will return Welcome to Use T900 OK, which means that the AT mode is successfully entered.
- 3) Click Query (send AT&V), then the queried parameters will be displayed one by one in the parameter list on the left.
- 4) After modifying the corresponding parameter as required, click the yellow button on the right of the parameter box (send AT command to set).
- 5) After all parameters to be modified are configured, click Save button (send AT&W).
- 6) Click the Exit AT mode button (send ATA) to return to the normal working state.

网络类型		运行模式		•	<u></u>	中口: COM50
输出功率		空口速率			<u></u>	9600
网络ID		串口格式		•	Zero.	
串口波特率	· 🖌	本机地址			<u>/.</u>	
RS232/RS485	• 升级		>		<u>/</u>	进入
是否有中继	产版本发布文件/FPGA	版太发布/T90	00 60136B-30-TPEX 6	30	<u>/</u>	
中继序号	5%		4xm	$\tilde{j}$	<u>/</u>	
信道接入方式	固件加载中				<u>/</u>	退出
加密开关		мната М1			<u>/</u>	
硬件版本		软件版本				恢复
生产序号		固件版本				

## 4.6 . AT Software Upgrade

AT Software Upgrade Steps:

- After setting the correct baud rate, open the serial port. (The average baud rate is 9600/115200bps).
- 2) Click the Upgrade button and select the Upgrade File.
- During the firmware loading process, you can click the Cancel button to cancel the upgrade.
- 4) Firmware update phase. In this phase, the upgrade cannot be canceled and the power cannot be disconnected. An unexpected power failure may damage the device.
- 5) When the upgrade is completed, please power off and restart the equipment.

# 5. Point-to-point Mode Configuration

### 5.1 Master Configuration (AT Software)

🤽 T900	)AT配置	评台	·V3.	0				- + ×
网络类型	点对点	•		运行模式	主模式	-		串口:
输出功率	40		Z.	空口速率	172800	•	Zw.	COM8
网络ID	1234567890		Z.	串口格式	8N1	*	<u>/</u>	115200 ·
串口波特率	115200	•	Z.w.	本机地址	0		2	
RS232/RS485	RS232	-	Zm.	同步地址	0			进入开始中
是否有中继	无中继	-	Zm.	目标地址	0			西八AI 陕西
中继序号	1		Zm	数据重传次数	3			但方
信道接入方式	RTS/CTS	🗘 设备	灰复出	 设置	×			退出AT模式
加密开关	OFF							ASILIATION
硬件版本	60136C-40A-PA	恢复出厂	⁻设置	点对点主站	•	301-0A		恢复出厂设置
生产序号	01-20230309-0			OK	Cancel	301-0A		升级
Send: ATS221? ATS221? 6 OK								清除
								.:

- Power on the data transmission station and then connect the data serial port firstly. Secondly, click to enter the AT mode, and then click query.
- Click Restore factory Settings firstly, select point-to-point master mode secondly, and then click OK.
- 3) Click Query to configure network ID, serial port baud rate, port rate, etc. (Other parameters can be default)
- 4) Click Save.
- 5) Click to exit the AT mode.

### 5.2 Slave Configuration (AT Software)

🤽 T900	)AT配置	平台	îV3.(	0				- + ×
网络类型	点对点	-		运行模式	从核	<b></b> 支式		串口:
输出功率	40		2	空口速率	172	800	-	COM8
网络ID	1234567890		Z.	串口格式	8N1		•	115200
串口波特率	115200	-	Z.	本机地址	0			
RS232/RS485	RS232	<b>尊</b> 。设行	备恢复出	厂设置		×		进入机带
是否有中继	无中继							西八和陕八 香海
中继序号	1	恢复出	订设置	点对点从站		*		但左
信道接入方式	RTS/CTS				OK	Cancel		退出AT模式
加密开关	OFF							ABIIIIII
硬件版本	60136C-40A-PAD			软件版本	004	0-202303	01-0A	恢复出厂设置
生产序号	01-20230309-012	27		固件版本	40A	1-202303	01-0A	升级
								71 20
								注险
								<b>月</b> 际
								.:

- 1) Power on the data transmission station, then connect the data serial port, and enter the AT configuration platform.
- Click Restore factory Settings firstly, select point-to-point slave mode secondly, and then click OK.
- 3) Click Query to set the same network ID, port rate, and serial port baud rate as the master port.
- 4) Click Save.
- 5) Click to exit the AT mode.

### 5.3 Master Configuration (UI Software)

🔅 T900控制	串口配置平台	3V3.8		- + ×
基本信息信道	道信息 工程信	息 系统版	本	串口:
				COM9
网络类型	点对点	运行模式	主模式	
输出功率	40dBm(10W)	空口速率	172800 -	
网络ID	1234567890	串口格式	8N1 -	
串口波特率	115200	本机地址	0	
RS232/RS485	RS232	同步地址	0	
是否有中继	无中继	目标地址	0	查询
中继序号		数据重传次数	3	保存
信道接入方式	RTS/CTS	TDMA最大地址	6	
加密开关	0FF -	加密密钥		
参数读取成功				

- 1) Power on the data transmission station, then connect the control serial port, open the serial port, and the parameters are read successfully in the lower left corner.
- Click project information, then select the master mode of point-to-point under the factory Settings restoration, and then click Save.
- 3) Click the basic information to configure the network ID, serial port baud rate, port rate, etc. (Other parameters can be default).
- 4) Click Save.

### 5.4 Slave Configuration (UI Software)

🔽 T900控制	串口配置平	台V3.8		- + ×
基本信息 信证	道信息 工程信	言息 系统版	本	串口: COM9
网络类型	点对点	运行模式	从模式	
输出功率	40dBm(10W)	空口速率	172800	
网络ID	1234567890	串口格式	8N1 -	
串口波特率	115200	本机地址	0	
RS232/RS485	RS232 -	同步地址	0	
是否有中继	无中继	目标地址	0	查询
中继序号	1	数据重传次数	3	保存
信道接入方式	RTS/CTS -	TDMA最大地址	6	
加密开关	OFF -	加密密钥		
参数读取成功				

- 1) Power on the data transmission station, then connect the control serial port, open the serial port, and the parameters are read successfully in the lower left corner.
- Click project information, then select the slave mode of point-to-point under the factory Settings restoration, and then click Save.
- 3) Click the basic information to configure the network ID, serial port baud rate, port rate, etc. (Other parameters can be default).
- 4) Click Save.

# 6. Point-to-point with Relay Mode Configuration

### 6.1 Master-slave Configuration

The configurations of the master and slave ends are the same as those of 5.1/5.3 and 5.2/5.4.

### 6.2 Relay Configuration (AT Software)

🤽 T900	) AT	配置平台	ŝV€	3.0					- + ×
网络类型	点对点		•	<u>/</u>	运行模	式	中继模式	•	串口:
输出功率	40			Zero.	空口速	率	172800	•	COM8
网络ID	1234567	7890		Zm.	串口格	式	8N1	•	9600 ·
串口波特率	9600		•	<u>/</u>	本机地	址	0		
RS232/RS485	RS232		•	<u>/</u>	同步地	址	0		进入工模式
是否有中继	无中继		•	<u>/</u>	目标地	址	0		查询
中继序号	1	🔅 设备恢复出	一设置			$\times$	3		保存
信道接入方式	RTS/CTS						5		退出AT模式
加密开关	OFF	恢复出厂设置	点对点	点中继					
硬件版本	60136C				ОК	Cancel	0040-20230301-0A		恢复出厂设置
生产序号	01-202						40A1-20230301-0A		升级
send: ATS221? ATS221? 6 OK									清除

- 1) Power on the data transmission station, then connect the data serial port, and enter the AT configuration platform.
- 2) Click Restore factory Settings firstly, select point-to-point relay mode secondly, and then click OK.
- Click Query to set the same network ID, port rate, and serial port baud rate as the master port.
- Set the relay number to 1. If there are several relays, set the relay number from 1 to N.

(The master, slave, and relay do not need to configure whether there is a relay. The master will automatically identify the relay)

- 5) Click Save.
- 6) Click to exit the AT mode.

### 6.3 Relay Configuration (UI Software))

🔅 T900控制	山串口配	置平台	_ ∃V3.8		- + ×
基本信息 信道	首信息	工程信	息 系统版	本	串口:
					COM9
网络类型	点对点	*	运行模式	中继模式	关闭
输出功率	40dBm(10W)	•	空口速率	172800	]
网络ID	1234567890		串口格式	8N1	]
串口波特率	9600	•	本机地址	0	]
RS232/RS485	RS232	•	同步地址	0	
是否有中继	无中继	*	目标地址	0	查询
中继序号			数据重传次数	3	保存
信道接入方式	RTS/CTS	*	TDMA最大地址	6	
加密开关	OFF	•	加密密钥		]
参数读取成功					.:

- 1) Power on the data transmission station, then connect the control serial port, open the serial port, and the parameters are read successfully in the lower left corner.
- Click project information, then select the relay mode of point-to-point under the factory Settings restoration, and then click Save.
- 3) Click Query to set the same network ID, port rate, and serial port baud rate as the master port.
- Set the relay number to 1. If there are several relays, set the relay number from 1 to N.
- 5) Click Save.

# 7.Point-to-multipoint Mode Configuration

## 7.1 Master Configuration (AT Software)

🤽 T900	)AT配置平台	V3.0			- + ×
网络类型 输出功率 网络ID 串口波特率	点对多点 40 1234567890 115200		运行模式 空口速率 串口格式 本机地址	主模式 172800 8N1 1	岸口: COM10 - 115200 - 米州
RS232/RS485 是否有中继 中继序号 信道接入方式 加密开关	RS232 无中继 1 RTS/CTS OFF		同步地址 目标地址 数据重传次数 TDMA最大地址 加密密钥	0 0 3 6	进入AT模式 查询 保存 退出AT模式
硬件版本 生产序号 send: ATS221? ATS221? 6	60136C-40A-PAD 01-20221110-0029		软件版本 固件版本	0040-20230301-0A 40A1-20230301-0A	恢复出厂设置 升级
ОК					清除

- 1) Power on the data transmission station, then connect the data serial port, and enter the AT configuration platform.
- 2) Click Restore factory Settings firstly, select point-to-multipoint master mode secondly, and then click OK.
- 3) Click query, and the user can configure the required network ID, serial port baud rate, and empty port rate.
- Local address =1, synchronous address =0, destination address =0, channel access mode select RTS/CTS.
- 5) Click Save.
- 6) Click to exit the AT mode.

## 7.2 Slave Configuration (AT Software)

🤽 T900	)AT配置平台	3ेV3.0				- + ×
网络类型	点对多点	-	运行模式	从模式	<u>Za</u>	串口:
输出功率	40	////	空口速率	172800 -		COM10
网络ID	1234567890		串口格式	8N1 ~	Za.	115200 V
串口波特率	115200	•	本机地址	2	Zw.	
RS232/RS485	RS232	-	同步地址	1	Zw.	进入开档式
是否有中继	无中继	-	目标地址	0		西八AI侯氏 本海
中继序号	1		数据重传次数	3		但方
信道接入方式	RTS/CTS	-	TDMA最大地址	6	Zee.	□ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □
加密开关	OFF	-	加密密钥		<b></b>	лыцатуся
硬件版本	60136C-40A-PAD		软件版本	0040-20230301-0A		恢复出厂设置
生产序号	01-20221110-0029		固件版本	40A1-20230301-0A		升级
send: ATS221? ATS221? 6						
ОК						清除

- 1) Power on the data transmission station, then connect the data serial port, and enter the AT configuration platform.
- 2) Click Restore factory Settings firstly, select point-to-multipoint slave mode secondly, and then click OK.
- Click Query to set the same network ID, port rate, and serial port baud rate as the master port.
- 4) The local address is 2 to N+1, where N is the total number of slave ends.

Synchronization address =1

synchronization address = local address of the master end.

The destination address is 0 and the channel access mode is RTS/CTS.

- 5) Click Save.
- 6) Click to exit the AT mode.

## 7.3 Master Configuration (UI Software)

🔽 T900控制	串口配置平	台V3.8		- + ×
基本信息 信述	道信息 工程	信息 系统版	本	串口:
				COM10
网络类型	点对多点	运行模式	主模式	关闭
输出功率	40dBm(10W)	空口速率	172800	
网络ID	1234567890	串口格式	8N1 -	
串口波特率	115200 -	本机地址	1	
RS232/RS485	RS232 -	同步地址	0	
是否有中继	无中继	目标地址	0	查询
中继序号	1	数据重传次数	3	保存
信道接入方式	RTS/CTS -	TDMA最大地址	6	
加密开关	0FF -	加密密钥		
参数读取成功				

- 1) Power on the data transmission station, then connect the control serial port, open the serial port, and the parameters are read successfully in the lower left corner.
- Click project information, then select the master mode of point-to-point under the factory Settings restoration, and then click Save.
- 3) Click the basic information to configure the network ID, serial port baud rate, port rate, etc. (Other parameters can be default).
- Local address =1, synchronous address =0, destination address =0, channel access mode select RTS/CTS.
- 5) Click Save.

### 7.4 Slave Configuration (UI Software)

🔽 T900控制	」 串口配置平	台V3.8		- + ×
基本信息 信述	道信息 工程係	言息 系统版	本	串口:
				COM10
网络类型	点对多点	运行模式	从模式	关闭
输出功率	40dBm(10W) -	空口速率	172800 -	
网络ID	1234567890	串口格式	8N1 -	
串口波特率	115200 -	本机地址	2	
RS232/RS485	RS232 -	同步地址	1	
是否有中继	无中继	目标地址	0	查询
中继序号	1	数据重传次数	3	保存
信道接入方式	RTS/CTS	TDMA最大地址	6	
加密开关	OFF -	加密密钥		
参数读取成功				.:

- 1) Power on the data transmission station, then connect the control serial port, open the serial port, and the parameters are read successfully in the lower left corner.
- Click project information, then select the slave mode of point-to-point under the factory Settings restoration, and then click Save.
- 3) Click the basic information to configure the network ID, serial port baud rate, port rate, etc. (Other parameters can be default).
- 4) The local address is 2 to N+1, where N is the total number of slave ends.

Synchronization address =1

synchronization address = local address of the master end.

The destination address is 0 and the channel access mode is RTS/CTS.

5) Click Save.