# MDNET Tools Operation Manual

Version: 0200

B MDNET Tools 0180	[ 200	)9-08-03 ]						×
[	No	Name	MAC Address	IP Address	Operating Mode	Hardware-Ver	Firmware-Ver	Status
Search			1			1	1	
Configure								
Configure (IP)								
Data Test								
Upgrade Firmware								
Upgrade (IP)								
	,							

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## **1. MDNET Tools Operation Manual (English)**

### Search Device

Run MDNET\_Tools then click **<u>Search</u>** to search device.

MDNET Tools 0180	[ 200	09-08-03 ]						X
	No	Name	MAC Address	IP Address	Operating Mode	Hardware-Ver	Firmware-Ver	Status
Search	1	SYRD2451A-SC2	00-1D-34-06-00-10	192.168.1.120	UDP	0221	0110	
	2	Ray-1N	00-1D-34-29-35-47	192.168.1.182	TCP Server	0102	0110	
Configure	3	FAE_MDNET_209	00-1D-34-19-03-02	192.168.1.209	TCP Server	0303	0110	Lock
Configure (IP)								
Data Test			Searching for I	Device 2 sec	[ESC] Cano	el Search		
Upgrade Firmware								
Upgrade (IP)								
<u>I</u> Close								

#### Configure

Double click device in db grid or select device then click <u>Configure</u> to switch into Configuration mode.

1	No	Name INACAN	er Stat	us
Search	1	Configuration [SYRD245-1A]		
Configure Configure (IP) Data Test Upgrade Firmware Upgrade (IP)	2 3 4 5	Information     MAC Address :00-1D-34-06-00-10     Serial Number :09460016     Firmware Version : Ver 0110     Hardware Version : Ver 0221	Basic       Network       Operating Mode       Accessible IPs       Password       Serial         Device Name:       SYRD2451A-SC2         Device ID:       0001       Loci         RS485 Setup       100 ~ 9999 us         RS485 END DELAY:       500       100 ~ 9999 us	k
<u>I</u> Close		IP:192.168.1.66		
			✓ OK (Write) × Cancel	

#### Configuration-Basic

- 1. Enter the device caption into the field of **Device Name**.
- 2. Enter the ID into the field of **Device ID**.
- 3. Check all the setting then click **OK(Write)** to write data into the device.

RS485 Setup : Set the delay time for start/end, it is workable when device with

RS485.

SYRD245-1A]		X
Information	Basic Network Operating Mode Acc	essible IPs   Password   Serial
MAC Address :00-1D-34-06-00-10	1	
Serial Number :09460016	Device Name: SYRD24514	A-SC2
Firmware Version : Ver 0110	2. Device ID: 0001	
Hardware Version : Ver 0221	RS485 Setup	
	RS485 START DELAY: 1500	100 ~ 9999 us
	RS485 END DELAY: 500	100 ~ 9999 us
	· · · · · · · · · · · · · · · · · · ·	
		× Open and

#### ■ Configuration-Network

Choose **DHCP** or setup the IP information.

Configuration [SYRD245-1A]	$\mathbf{X}$
Information	Basic Network Operating Mode Accessible IPs Password Serial
MAC Address :00-1D-34-06-00-10	T DHCP
Serial Number :09460016	Static IP
Firmware Version : Ver 0110	IP Address: 192 168 1 120
Hardware Version : Ver 0221	Netmask Address: 255 255 0
	Gateway Address: 192 168 1 254
	DNS Server1: 0 0 0
	DNS Server2: 0 0 0
	✓OK (Write) × Cancel

#### Configuration-Operating Mode

1. TCP Server Mode: Setup Local Port. The number of Max Connection is up to 4.

**2. TCP Client Mode** : The modes can be set as Any Character or Star up. The number of IP setting is up to 4.

3. UDP Mod : Setup Local Port. The number of IP setting is up to 4.

**4. Data Packing**: Setup data packing (The device will send the message while receiving specified character). Force Tx Timeout : The device will send the message after the setting time while without getting specified character.

**5. Miscellaneous** : TCP Alive Check Timeout – The device will break the connection while the time of connection equal the setting of Timeout.

Inactivity Timeout – The device will break the connection while no data transmitted in the setting period.

Configuration [SYRD245-1A]	N 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997
Information	Basic Network Operating Mode Accessible IPs Password Serial
MAC Address :00-1D-34-06-00-10	C TCP Server Made
Serial Number :09460016	Local TCP Port: 4001 Max Connection:
Firmware Version : Ver 0110	
Hardware Version : Ver 0221	2. © TCP Client Mode Connect Mode: Starup
	Destination IP 01: 0 0 0 Port: 4001
	Destination IP 02: 0 0 0 Port: 4001
	Destination IP 03: 0 0 0 Port: 4001
	Destination IP 04: 0 0 0 Port: 4001
	Local TCP Port 4001
	Destination IP 01: 192 168 1 116 Port: 4001
	Destination IP 02: 0 0 0 0 Port: 4001
	Destination IP 03: 0 0 0 0 Port: 4001
	Destination IP 04: 0 0 0 0 Port: 4001
	Delimiter 1     OD     (0 - ff Hex)     TCP Alive Check Timeout
	0 (0 · 255 min)
	Inactivity Timeout
	Force Tx Timeout: 0 (0 - 65535 ms) 0 (0 - 65535 ms)
IP:192.168.1.66	
	✓ OK (Write) X Cancel

#### Configuration-Accessible IPs

The number of IP setting that can be used to access is up to 4.

Configuration [SYRD245-1A]		X
<ul> <li>Information</li> <li>MAC Address :00-1D-34-06-00-10</li> <li>Serial Number :09460016</li> <li>Firmware Version : Ver 0110</li> <li>Hardware Version : Ver 0221</li> </ul>	Basic       Network       Operating Mode       Access         Accessible IP 01:       0       0       0         Accessible IP 02:       0       0       0         Accessible IP 03:       0       0       0         Accessible IP 04:       0       0       0	Password         Serial           0         0           0         0           0         0           0         0
	✓OK (Write)	× Cancel

#### Configuration-Password

Setup the password that will be used when the user access into control mode.

Configuration [SYRD245-1A]		
Information	Basic Network Operating Mode Acce	ssible IPs Password Serial
MAC Address :00-1D-34-06-00-10		
Serial Number :09460016	Password:	
Firmware Version : Ver 0110		
Hardware Version : Ver 0221		
	✓ OK (Write)	× Cancel
	- en (mile)	. eanser

#### Configuration-Serial

Setup baud rate.

B Configuration [SYRD245-1▲]		
Information	Basic Network Operating Mode Acco	essible IPs Password Serial
MAC Address :00-1D-34-06-00-10		
Serial Number :09460016	Serial: 115200,n,8,1	1 💌
Firmware Version : Ver 0110	57600,n,8,1 57600,e,8,1	<u>^</u>
Hardware Version : Ver 0221	115200.n.8,1 115200.e.81	
	230400.n.8,1 230400.e.8	
	460800.n.8,1 460900.c.8	
	[460600.8,0,]	
	✓OK (Write)	× Cancel

- 4 -

#### Configure (IP)

Click **<u>Configure (IP)</u>**, and input MDNET IP (You can input the IP directly, when you can't find the device on the list.)

	No	Name	MAC Address	IP Address	Operating Mode	Hardware-Ver	Firmware-Ver	Status
Search	1	SYRD2451A-SC2	00-1D-34-06-00-10	192.168.1.120	UDP	0221	0110	ii.
	2	Ray-1N	00-1D-34-29-35-47	192.168.1.182	TCP Server	0102	0110	
Configure	3	FAE_MDNET_209	00-1D-34-19-03-02	192.168.1.209	TCP Server	0303	0110	Lock
		MDNET IP		×				
Configure (IP)		Enter MDNE	TIP					
And the second second								
Data Test		F	0K   Can	cal 1				
ngrado Firmwaro								
pgrade i inniware								
Upgrade (IP)								
Upgrade (IP)								
Upgrade (IP)								

Data Test

#### Click Data Test to test data transmission.

1	No	Name	MAC Address	IP Address	Operating Mode	Hardware-Ver	Firmware-Ver	Status
Search	1	SYRD2451A-SC2	00-1D-34-06-00-10	192.168.1.120	UDP	0221	0110	
	2	AK-SYRIS-PT1	00-1D-34-49-39-01	192.168.1.181	UDP	0221	0110	
Configure	3	Ray-1N	00-1D-34-29-35-47	192.168.1.182	TCP Server	0102	0110	
Conligure	4	SYRIS-PT1	00-1D-34-07-00-06	192.168.1.183	UDP	0221	0110	
1	5	FAE_MDNET_209	00-1D-34-19-03-02	192.168.1.209	TCP Server	0303	0110	Lock
Data Test								
Data Test Ipgrade Firmware								
Data Test Ipgrade Firmware Upgrade (IP)								

Setup the Port and Baud rate, then click **<u>Start Listen</u>** to connect device.

Check the option of <u>Loop</u> to continue transmit message. The bar of Delay can set delay time.

Check the option of **<u>Sequence</u>** to add serial number to message.

💩 Data Test	
Serial port COM9 💽 115200,n,8,1	UDP       Device IP:     192.168.1.120       Device Port:     5001       Listen Port:     5001
Data test (UART) 12345	Data test (TCP) ABCDE
└ Loop └ Sequence Delay: ↓ ✓ EOF(0D) Send d	ta EOF(0D) Send data
RS232 Data Monitor	TCP Data Monitor



#### ■ Upgrade Firmware

B MDNET Tools 0180	[ 200	)9-08-03 ]							X
1	No	Name	MAC A	ddress	IP Address	Operating Mode	Hardware-Ver	Firmware-Ver	Status
Search	1	SYRD2451A	00.10	24.06.00.10	1021001120		0221	0110	
	2	AK-SYRIS-P	開啓					<u>? X</u>	
Configure	3	Ray-1N	查詢():	MDNET-1	-BSB1-A-BSB - 9	95A-BSB、M 👻 🖕	• 🗈 📸 📰 •		
	4	SYRIS-PT1		MDNET2 V	70100.SYB				
Configure (IP) Data Test Upgrade Firmware Upgrade (IP)	5	FAE_MDNE1	<ul> <li>我最近的文件</li> <li>点面</li> <li>成的文件</li> <li>我的文件</li> <li>我的变件</li> <li>我的電腦</li> <li>網路芳鄉</li> </ul>	해 MDNET2_V 에 MDNET2_V 에 MDNET2_V 에 MDNET2_V 에 MDNET2+ 에 MDNET-2+ 에 MDNET-2+ 에 MDNET-2+ 에 MDNET-2+ 에 MDNET-2+ 에 MDNET-2+ 에 MDNET-2+ 에 MDNET-2+	70102.SYB 70103.SYB 70104.SYB BSB_V0107.SYB BSB_V0108.090722. BSB_V0108.090722. BSB_V0109.SYB BSB_V0110.SYB	SYB (SYB)	• •	開啓(2) 取消	Lock

## ■ Upgrade (IP) : Upgrade firmware by network

(You can input the IP directly, when you can't find the device on the list.)

1	No	Name	MAC Address	IP Address	Operating Mode	Hardware-Ver	Firmware-Ver	Status
Search	1	SYRD2451A-SC2	00-1D-34-06-00-10	192.168.1.120	UDP	0221	0110	
	2	Ray-1N	00-1D-34-29-35-47	192.168.1.182	TCP Server	0102	0110	
Configure	3	FAE_MDNET_209	00-1D-34-19-03-02	192.168.1.209	TCP Server	0303	0110	Lock
Configure (IP)		MDN	IET IP & MAC		_	3		
Data Test		MACA	ddress	.  .  D - 34 -				
Jpgrade Firmware			OK	Cance	91			
Upgrade (IP)		Ľ						
<u>I</u> Close								
<u>Î</u> <u>C</u> lose								

## 2. MDNET 工具使用說明 (繁體中文)

#### ■ 連結裝置

開啓MDNET\_Tools後,點選 <u>Search</u> 搜尋裝置資料。

MDNET Tools 0180	[ 200	09-08-03 ]						
	No	Name	MAC Address	IP Address	Operating Mode	Hardware-Ver	Firmware-Ver	Status
Search	1	SYRD2451A-SC2	00-1D-34-06-00-10	192.168.1.120	UDP	0221	0110	
	2	Ray-1N	00-1D-34-29-35-47	192.168.1.182	TCP Server	0102	0110	1
Configure	3	FAE_MDNET_209	00-1D-34-19-03-02	192.168.1.209	TCP Server	0303	0110	Lock
Configure (IP)								
Data Test			Searching for [	Device 2 sec	[ESC] Cano	el Search		
Upgrade Firmware								
Upgrade (IP)								
👖 Close								
	,							

#### Configure

雙擊裝置資料行或是點選 <u>Configure</u> 進入控制模式。

🐵 MDNET Tools 0180 [ 20	009-08-03 ]	$\mathbf{X}$
Search 1 Configure 3 4 Configure (IP) Data Test Upgrade Firmware Upgrade (IP) Î <u>C</u> lose	Luce     Luce     Luce     Device Name     Luce     Device Name     Luce     Device Name     State       Information     MAC Address: 00-1D-34-06-00-10     Serial Number: 09460016     Device Name :     SYRD2451A-SC2     Device Name :     SYRD2451A-SC2       Device Name :     SYRD2451A-SC2     Device ID :     0001       Hardware Version :     Ver 0221     RS485 Setup     RS485 Statp       RS485 START DELAY:     1500     100 ~ 9999 us       RS485 END DELAY:     500     100 ~ 9999 us	Lock
	✓ OK (Write) × Cancel	

#### ■ Configuration-Basic

- 1. 於 Device Name 欄位輸入裝置名稱。
- 2. 於 Device ID 欄位輸入設定ID。
- 3. 確認後點選 OK(Write) 寫入。

RS485 Setup:僅於裝置有RS485時方有作用,其為設定傳送/接收的延遲時間。

Configuration [SYRD245-1A]		
Information	Basic Network Operating Mode Acc	essible IPs Password Serial
MAC Address :00-1D-34-06-00-10	1	
Serial Number :09460016	Device Name : SYRD24514	A-SC2
Firmware Version : Ver 0110	2. Device ID : 0001	
Hardware Version : Ver 0221	RS485 Setup	
	RS485 START DELAY: 1500	100 ~ 9999 us
	RS485 END DELAY: 500	100 ~ 9999 us
	<sup>3.</sup> ✓OK (Write)	× Cancel

#### Configuration-Network

選擇 DHCP 或是設定 IP相關資訊

Configuration [SYRD245-1A]	×
Information	Basic Network Operating Mode Accessible IPs Password Serial
MAC Address :00-1D-34-06-00-10	DHCP
Serial Number :09460016	Static IP
Firmware Version : Ver 0110	IP Address: 192 168 1 120
Hardware Version : Ver 0221	Netmask Address: 255 255 0
	Gateway Address: 192 168 1 254
	DNS Server1: 0 0 0
	DNS Server2: 0 0 0
	✓OK (Write) × Cancel

#### Configuration-Operating Mode

- 1. TCP Server Mode:設定Local Port, Max Connection可達4。
- 2. TCP Client Mode:可設定Any Character或Star up模式,最多可設定四組IP。
- **3. UDP Mod**:設定Local Port,最多可設定四組IP。
- 4. Data Packing:設定段落字元(接收到某特定字元時,將傳出該字元前的訊息) Force Tx Timeout:如果遲遲未收到指定段落字元,則在多久時間後送出訊息。
- 5. Miscellaneous: TCP Alive Check Timeout 連線達到設定時間後即斷線;

Inactivity Timeout - 於設定時間內無資料傳輸(UART)即斷線。

Configuration [SYRD245-1A]	X
Information	Basic Network Operating Mode Accessible IPs Password Serial
MAC Address :00-1D-34-06-00-10	C TCP Server Mode
Serial Number :09460016	Local TCP Port: 4001 Max Connection:
Firmware Version : Ver 0110	
Hardware Version : Ver 0221	2. TCP Client Mode Connect Mode: Starup
	Destination IP 01: 0 0 0 Port: 4001
	🗖 Destination IP 02: 0 0 0 0 Port: 4001
	🗖 Destination IP 03: 0 0 0 Port: 4001
	🗖 Destination IP 04: 0 0 0 Port: 4001
	Local TCP Port: 4001
	Destination IP 01: 192 168 1 116 Port 4001
	Destination IP 04: 0 0 0 Port: 4001
	2 Detimiter 1 0D (0 - ff.Hex) 0 TCP Alive Check Timeout
	0 (0 - 255 min)
	Inactivity Timeout
	Force Tx Timeout: 0 (0 - 65535 ms) 0 (0 - 65535 ms)
IP:192.168.1.66	
	✓OK (Write) × Cancel

## Configuration-Accessible IPs

可設定四組擁有存取權限的IP。

Configuration [SYRD245-1A]		
Information MAC Address :00-1D-34-06-00-10 Serial Number :09460016 Firmware Version : Ver 0110 Hardware Version : Ver 0221	Basic       Network       Operating Mode       Accessible         Accessible IP 01:       0       0         Accessible IP 02:       0       0         Accessible IP 03:       0       0         Accessible IP 04:       0       0	Sible IPs         Password         Serial           0         0           0         0           0         0           0         0           0         0
	✓OK (Write)	× Cancel
<ul> <li>Configuration-Pas</li> <li>設定進入控制模式時</li> <li>Configuration [SYRD245-1A]</li> </ul>	<b>sword</b> 候的密碼。	
Information MAC Address :00-1D-34-06-00-10 Serial Number :09460016 Firmware Version : Ver 0110 Hardware Version : Ver 0221	Basic Network Operating Mode Acce	ssible IPs Password Serial
	✓OK (Write)	× Cancel
<ul> <li>Configuration-Ser</li> <li>設定速率。</li> </ul>	ial	
Configuration [SYRD245-1A]		
Information	Rasia Network Deparating Mode Acces	saible IPa Dessured Serial

Information MAC Address :00-1D-34-06-00-10 Serial Number :09460016 Firmware Version : Ver 0110 Hardware Version : Ver 0221	Basic Network Operating Mode Access Serial: 115200,n,8,1 57600,n,8,1 57600,e,8,1 115200,n,8,1 115200,n,8,1 230400,e,8,1 460800,n,8,1 460800,e,8,1	sible IPs Password Serial
	✓ OK (Write)	× Cancel

Configure (IP)

點選Configure (IP) 開啓IP視窗,於此輸入MDNET IP (搜尋不到裝置時,使用此

方法直接輸入IP即可)。

	No	Name	MAC Address	IP Address	Operating Mode	Hardware-Ver	Firmware-Ver	Status
Search	1	SYRD2451A-SC2	00-1D-34-06-00-10	192.168.1.120	UDP	0221	0110	ii.
	2	Ray-1N	00-1D-34-29-35-47	192.168.1.182	TCP Server	0102	0110	
Configure	3	FAE_MDNET_209	00-1D-34-19-03-02	192.168.1.209	TCP Server	0303	0110	Lock
		MDNET IP		×				
Configure (IP)		Enter MDNE	IT IP					
Data Test			OK Can	icel				
	L	-						
pgrade Firmware								
pgrade Firmware Upgrade (IP)								

Data Test

點選 Data Test 開啓資料傳輸測試。

1	No	Name	MAC Address	IP Address	Operating Mode	Hardware-Ver	Firmware-Ver	Status
Search	1	SYRD2451A-SC2	00-1D-34-06-00-10	192.168.1.120	UDP	0221	0110	
	2	AK-SYRIS-PT1	00-1D-34-49-39-01	192.168.1.181	UDP	0221	0110	
Configure	3	Ray-1N	00-1D-34-29-35-47	192.168.1.182	TCP Server	0102	0110	
	4	SYRIS-PT1	00-1D-34-07-00-06	192.168.1.183	UDP	0221	0110	
	5	FAE_MDNET_209	00-1D-34-19-03-02	192.168.1.209	TCP Server	0303	0110	Lock
Data Test						Property.		100000
Data Test Jpgrade Firmware Upgrade (IP)						Proto M		

設定與欲連線的Port與速率,點選 <u>Start Listen</u> 連線裝置。

點選 Loop 可連續傳送訊息,於Delay部分設定時間。

點選 <u>Sequence</u> 則會在傳送的訊息前加上序號。

😬 Data Test	
Serial port:         COM9         Image: Top 115200, n, 8, 1         UDP           Device IP:         192.168.1           Start         Start	120 Device Port 5001 Listen Port 5001 Listen Stop Listen
Data test (UART)	Data test (TCP)
12345	ABCDE
□ Loop □ Sequence Delay: • 1000 ms	Loop Sequence Delay: • 1000 ms
F EOF(0D) Send data	F EOF(0D) Send data
RS232 Data Monitor	TCP Data Monitor

### ■ Upgrade Firmware: 更新韌體

1	No	Name		MAC Address	IP Address	Operating Mode	Hardware-Ver	Firmware-Ver	Status
Search	1	SYRD2451	A-SC2	00-1D-34-06-00-10	192.168.1.120	UDP	0221	0110	
	2	AK-SYRIS-	門政						
Configure	3	Ray-1N	1961121						
	4	SYRIS-PT	() () () () () () () () () () () () () (	詞①:   🗁 MDNET-1-E	SB、-1-A-BSB、957	A-BSB · M ▼ ←			
Configure (IP)	5	FAE_MDN	À	MDNET2_V0	100.SYB				Lock
			我最近的多	Z件 國 MDNET2_V0	103.SYB				
	L			MDNET2_VO	104.SYB				
Data Test	L		桌面	MDNET-2+B	SB_V0107.SYB				
- 	L			MDNET-2+B	SB_V0108 090722.SY SB_V0109 SVB	ſΒ			
Upgrade Firmware	L		我的文件	# MDNET-2+B:	SB_V0110.SYB				
	L								
Upgrade (IP)	L		我的電腦	8					
	L								
<u>I</u> <u>C</u> lose	L		網路芳業	Æ					
				描名 MD:	1 <u></u>		-	現際(0)	
	<i>T</i>			個·白( <u>川</u> ). 始安地研(/T)。	T: 01 (# 01			#J□ (型) 時雨%g	
				個来類型(1).	Firmware files (*.5	16)		-12(1)	

## ■ Upgrade (IP):使用IP更新韌體

(搜尋不到裝置時,使用此方法直接輸入IP即可)

	No	Name	MAC Address	IP Address	Operating Mode	Hardware-Ver	Firmware-Ver	Status
Search	1	SYRD2451A-SC2	00-1D-34-06-00-10	192.168.1.120	UDP	0221	0110	1
	2	Ray-1N	00-1D-34-29-35-47	192.168.1.182	TCP Server	0102	0110	
Configure	3	FAE_MDNET_209	00-1D-34-19-03-02	192.168.1.209	TCP Server	0303	0110	Lock
Configure (IP)						3		
Data Test			ddress . 00 - 1	-1 -1 D -34 -				
pgrade Firmware			ОК	Cance	el			
Upgrade (IP)		<u></u>						
1								

## 3. MDNET 工具使用说明 (简体中文)

■ 连结装置

开启MDNET\_Tools后,点选 <u>Search</u> 搜寻装置数据。

	1	1	Press and the second second	L.	1	E	1	1
	No	Name	MAC Address	IP Address	Operating Mode	Hardware-Ver	Firmware-Ver	Status
Search	1	SYRD2451A-SC2	00-1D-34-06-00-10	192.168.1.120	UDP	0221	0110	
	2	Ray-1N	00-1D-34-29-35-47	192.168.1.182	TCP Server	0102	0110	
Configure	3	FAE_MDNET_209	00-1D-34-19-03-02	192.168.1.209	TCP Server	0303	0110	Lock
Configure (IP)								
Data Test			Searching for [	Device 2 sec	[ESC] Cano	el Search		
and the second								
Jpgrade Firmware								
Upgrade Firmware								
Upgrade Firmware								

#### Configure

双击装置数据行或是点选 <u>Configure</u> 进入控制模式。

MDNET Tools 0180 [	2009-08-03 ]			X
MDNET Tools 0180 Search Configure Configure (IP) Data Test Upgrade Firmware	2009-08-03 ] Configuration [SYRD245-1A] Information MAC Address :00-1D-34-06-00-10 Serial Number :09460016 Firmware Version : Ver 0110 Hardware Version : Ver 0221	Basic Network Operating Mode Acces Device Name : SYRD2451A- Device ID : 0001 RS485 Start DELAY: 1500 RS485 END DELAY: 500	Iterature         Iterature <t< td=""><td>Z Status</td></t<>	Z Status
	IP:192.168.1.66			
		✓OK (Write)	× Cancel	

#### ■ Configuration-Basic

- 1. 于 Device Name 字段输入装置名称。
- 2. 于 Device ID 字段输入设定ID。
- 3. 确认后点选 <u>OK(Write)</u> 写入。

RS485 Setup: 仅于装置有RS485时方有作用,其为设定传送/接收的延迟时间。

Configuration [SYRD245-1A]		$\overline{\mathbf{X}}$
Information	Basic Network Operating Mode Acc	essible IPs   Password   Serial
MAC Address :00-1D-34-06-00-10	1	
Serial Number :09460016	Device Name : SYRD2451/	A-SC2
Firmware Version : Ver 0110	2. Device ID : 0001	
Hardware Version : Ver 0221	RS485 Setup	
	RS485 START DELAY: 1500	100 ~ 9999 us
	RS485 END DELAY: 500	- 100 ~ 9999 us
	<sup>3.</sup> ✓ OK (Write)	× Cancel
L		

#### Configuration-Network

选择 DHCP 或是设定 IP相关信息

Sonfiguration [SYRD245-1▲]	N 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997
Information	Basic Network Operating Mode Accessible IPs Password Serial
MAC Address :00-1D-34-06-00-10	T DHCP
Serial Number :09460016	Static IP
Firmware Version : Ver 0110	IP Address: 192 168 1 120
Hardware Version : Ver 0221	Netmask Address: 255 255 0
	Gateway Address: 192 168 1 254
	DNS Server1: 0 0 0
	DNS Server2: 0 0 0
	✓OK (Write) × Cancel

#### Configuration-Operating Mode

- 1. TCP Server Mode: 设定Local Port, Max Connection可达4。
- 2. TCP Client Mode: 可设定Any Character或Star up模式,最多可设定四组IP。
- 3. UDP Mod: 设定Local Port, 最多可设定四组IP。
- 4. Data Packing: 设定段落字符 (接收到某特定字符时,将传出该字符前的讯息) Force Tx Timeout: 如果迟迟未收到指定段落字符,则在多久时间后送出讯息。
- 5. Miscellaneous: TCP Alive Check Timeout-联机达到设定时间后即断线;

Inactivity Timeout-于设定时间内无数据传输(UART)即断线。

Configuration [SYRD245-1A]	
Information	Basic Network Operating Mode Accessible IPs Password Serial
MAC Address :00-1D-34-06-00-10	C. TCP Server Mede
Serial Number :09460016	Local TCP Port: 4001 Max Connection:
Firmware Version : Ver 0110	
Hardware Version : Ver 0221	2. © TCP Client Mode Connect Mode: Starup
	Destination IP 01: 0 0 0 Port: 4001
	Destination IP 02: 0 0 0 Port: 4001
	Destination IP 03: 0 0 0 Port: 4001
	Destination IP 04: 0 0 0 Port: 4001
	2 C LIDP Mode
	Local TCP Port: 4001
	✓ Destination IP 01: 192 168 1 116 Port: 4001
	Destination IP 02: 0 0 0 0 Port: 4001
	Destination IP 03: 0 0 0 Port: 4001
	Destination IP 04: 0 0 0 Port: 4001
	Data Packing(Optional)
	Delimiter 1     OD     (0 - ff, Hex)     TCP Alive Check Timeout
	Delimiter 2 00 (0 - ff Hex)
	Inactivity Timeout
	Force 1x Timeout:  U [U - 65535 ms] 0 (0 - 65535 ms)
IP:192.168.1.66	
	✓OK (Write) × Cancel

#### **Configuration-Accessible IPs**

可设定四组拥有存取权限的IP。

Configuration [SYRD245-1A]		
Information	Basic Network Operating Mode Acces	sible IPs Password Serial
MAC Address :00-1D-34-06-00-10		0
Serial Number :09460016		
Firmware Version : Ver 0110		
Hardware Version : Ver 0221		
		<b>*</b> O
■ Configuration-Pas 设定进入控制模式时	♥ OK (₩rite) sword 候的密码。	
■ Configuration-Pas 设定进入控制模式时	♥ OK (₩rite) sword 候的密码。	× Cancel
■ Configuration-Pas 设定进入控制模式时 Configuration [SYRD245-1A]	♥ OK (Write) sword 候的密码。 Basic Network Operating Mode Acces	sible IPs Password Serial
<ul> <li>Configuration-Pas 设定进入控制模式时</li> <li>Configuration [SYRD245-1A]</li> <li>Information MAC Address :00-1D-34-06-00-10</li> </ul>	♥ OK (Write) sword 候的密码。 Basic Network Operating Mode Acces	sible IPs Password Serial
<ul> <li>Configuration-Pas 设定进入控制模式时</li> <li>Configuration [SYRD245-1A]</li> <li>Information</li> <li>MAC Address :00-1D-34-06-00-10</li> <li>Serial Number :09460016</li> </ul>	◆ OK (write) sword 候的密码。 Basic Network Operating Mode Acces	sible IPs [Password] Serial
■ Configuration-Pas 设定进入控制模式时 © Configuration [SYRD245-1A] Information MAC Address :00-1D-34-06-00-10 Serial Number :09460016 Firmware Version : Ver 0110	♥ OK (Write) sword 候的密码。 Basic Network Operating Mode Acces	sible IPs Password Serial
■ Configuration-Pas 设定进入控制模式时 Configuration [SYRD245-1A] Information MAC Address :00-1D-34-06-00-10 Serial Number :09460016 Firmware Version : Ver 0110 Hardware Version : Ver 0221	♥ OK (Write) sword 候的密码。 Basic Network Operating Mode Acces Password:	sible IPs Password Serial
<ul> <li>Configuration-Pas 设定进入控制模式时</li> <li>Configuration [SYRD245-1A]</li> <li>Information</li> <li>MAC Address :00-1D-34-06-00-10</li> <li>Serial Number :09460016</li> <li>Firmware Version : Ver 0110</li> <li>Hardware Version : Ver 0221</li> </ul>	♥ OK (Write) sword 候的密码。 Basic Network Operating Mode Acces Password:	sible IPs Password Serial
<ul> <li>Configuration-Pas 设定进入控制模式时</li> <li>Configuration [SYRD245-1A]</li> <li>Information</li> <li>MAC Address :00-1D-34-06-00-10</li> <li>Serial Number :09460016</li> <li>Firmware Version : Ver 0110</li> <li>Hardware Version : Ver 0221</li> </ul>	♥ OK (Write) ssword 候的密码。 Basic Network Operating Mode Acces Password:	sible IPs Password Serial

设定速率。

Synthesis [SYRD245-1▲]		
Information	Basic Network Operating Mode Accessi	ble IPs Password Serial
MAC Address :00-1D-34-06-00-10		
Serial Number :09460016	Serial: 115200,n,8,1	<b>•</b>
Firmware Version : Ver 0110	57600,n,8,1 57600,e,8,1	<u>^</u>
Hardware Version : Ver 0221	115200,n,8,1 115200,e,8,1	
	230400.n,8,1 230400 e 8 1	
	460800.n.8.1 469800.e.8.1	~
	40000.8,0,1	
	✓ OK (Write)	× Cancel

Configure (IP)

点选Configure (IP) 开启IP窗口,于此输入MDNET IP (搜寻不到装置时,使用此

方法直接输入IP即可)。

	No	Name	MAC Address	IP Address	Operating Mode	Hardware-Ver	Firmware-Ver	Status
Search	1	SYRD2451A-SC2	00-1D-34-06-00-10	192.168.1.120	UDP	0221	0110	
	2	Ray-1N	00-1D-34-29-35-47	192.168.1.182	TCP Server	0102	0110	
Configure	3	FAE_MDNET_209	00-1D-34-19-03-02	192.168.1.209	TCP Server	0303	0110	Lock
j		MDNET IP		×				
Configure (IP)		Enter MDNE	TIP					
Data Test		Г	OK Can	cel				
ngrade Firmware								
pgraat miniare								
Upgrade (IP)								
Upgrade (IP)								

Data Test

点选 Data Test 开启数据传输测试。

1	No	Name	MAC Address	IP Address	Operating Mode	Hardware-Ver	Firmware-Ver	Status
Search	1	SYRD2451A-SC2	00-1D-34-06-00-10	192.168.1.120	UDP	0221	0110	
	2	AK-SYRIS-PT1	00-1D-34-49-39-01	192.168.1.181	UDP	0221	0110	
Configure	3	Ray-1N	00-1D-34-29-35-47	192.168.1.182	TCP Server	0102	0110	
Conligure	4	SYRIS-PT1	00-1D-34-07-00-06	192.168.1.183	UDP	0221	0110	
	5	FAE_MDNET_209	00-1D-34-19-03-02	192.168.1.209	TCP Server	0303	0110	Lock
Data Test						Professor		
Data Test Jpgrade Firmware Upgrade (IP)								

设定与欲联机的Port与速率,点选 <u>Start Listen</u> 联机装置。

点选 Loop 可连续传送讯息,于Delay部分设定时间。

点选 <u>Sequence</u> 则会在传送的讯息前加上序号。

😕 Data Test	
Serial port:         COM9         I15200,n,8,1         UDP           Start         Start	120 Device Port 5001 Listen Port 5001 Listen Stop Listen
Data test (UART)	Data test (TCP)
12345	ABCDE
Loop Sequence Delay: • 1000 ms	Loop Sequence Delay: • 1000 ms
▼ EOF(0D) Send data	▼ EOF(0D) Send data
RS232 Data Monitor	TCP Data Monitor

#### ■ Upgrade Firmware: 更新韧体

1	No	Name	MA	.C Address	IP Address	Operating Mode	Hardware-Ver	Firmware-Ver	Status
Search	1	SYRD2451A	-SC2 00-	1D-34-06-00-10	192.168.1.120	UDP	0221	0110	
	2	AK-SYRIS							
Configure	3	Ray-1N	記旨						
	4	SYRIS-PT	查詢(1	): 🔁 MDNET-1-E	SB、-1-A-BSB、95.	A-BSB • M 🔹 🗢	🗈 💣 🎫		
	5 FAE_MDN		MDNET2_V0	100.SYB				Lock	
Configure (IP)	1		我最近的文件	MDNET2_VO	102.SYB				
Data Test			D 点面	MDNET2_V0 MDNET2_V0 MDNET2_V0 MDNET-2+B: MDNET-2+B: MDNET-2+B:	104.SYB 105.SYB SB_V0107.SYB SB_V0108 090722.SY SB_V0109.SYB	'B			
Upgrade (IP)			我的文件 我的電腦 () 網路芳鄰	MDNET-2+B:	38_V0110.SYB				
				檔名(N):			• [	開啓(0)	

## ■ Upgrade (IP): 使用IP更新韧体

(搜寻不到装置时,使用此方法直接输入IP即可)

	No	Name	MAC Address	IP Address	Operating Mode	Hardware-Ver	Firmware-Ver	Status
Search 1	1	SYRD2451A-SC2	00-1D-34-06-00-10	192.168.1.120	UDP	0221	0110	
	2	Ray-1N	00-1D-34-29-35-47	192.168.1.182	TCP Server	0102	0110	
Configure	3	FAE_MDNET_209	00-1D-34-19-03-02	192.168.1.209	TCP Server	0303	0110	Lock
Configure (IP)			et IP & MAC		<b>`</b>	9		
Data Test		MACA	ddress : 00 -1	D - 34 -	- [ - [			
			ОК	Cance	1			
Ipgrade Firmware								
Ipgrade Firmware Upgrade (IP)	4000							