HelloDevice
Pro Series
PS100

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Quick Start Guide

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1. Connection

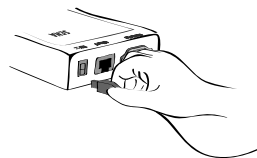1) Hook up the power to the HelloDevice PS100.

Figure 1. Connecting power

2) Hook up the Ethernet cable to the RJ45 connector of the HelloDevice PS100 with your hub or switch.
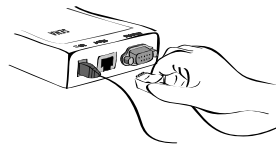
Figure 2. Connecting Ethernet cable

3) Hook up the RS232 serial cable between the HelloDevice PS100 and your serial device. (See Table 1 for pin assignments)
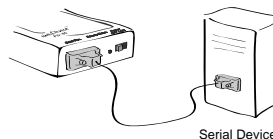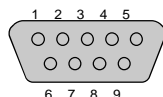
Serial Device

Figure 3. Connecting serial device

4) Turn on the power switch of the HelloDevice PS100.

5)) Confirm the `Power` LED lights up on the front panel.

6) Confirm the `Link` LED lights up and `10Base-T Rx/Tx` LED is blinking.

Pin	RS232	RS422	RS485
1		Tx-	Data-
2	Rx		
3	Tx	Rx-	
4	DTR	Rx+	
5	GND		
6	DSR		
7	RTS		
8	CTS		
9		Tx+	Data+

Table1. DB9 Pin assignments

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2. Log-in to serial console

1) Connect a null-modem serial cable between your computer and the console port of the HelloDevice PS100.
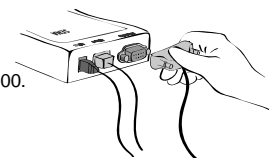
Figure 4. Connecting console cable

2) Run a terminal emulation program such as HyperTerminal and set up the serial configuration parameters as follows:
   Baud rate = 9600, Data bits = 8, Parity = None,
   Stop bits = 1, Flow control = Hardware (RTS/CTS)

3) Press `ENTER` key at the terminal emulation program.

4) Enter the user name and password. Factory default settings of the user name and password are both `admin`.

```
Login : admin
Password : *****
-----------------------------------------------------------
Welcome to PS-100 configuration page
Current time : 2002/06/10 11:46:42
Serial No.   : PS100-020200028      MAC Address : 00-01-95-04-13-80
F/W REV.     : V1.2.7                UP time   : 0 Days 00:02:10
IP mode      : DHCP                  IP Address : 192.168.0.152
-----------------------------------------------------------
  Console#1 (Serial) : Connected
  Console#2 (Telnet) : Available (NULL)
  Console#3 (Telnet) : Available (NULL)
  Console#4 (Telnet) : Available (NULL)
-----------------------------------------------------------
  Select menu
  1. IP Configuration
  2. Serial port configuration
  3. System Status & log
  4. System administration
  5. Advanced options
  6. System tools
  7. Save changes
  8. Exit without reboot
  9. Exit and reboot
   <ESC> Back, <ENTER> Refresh
  ----->
```

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3. Assign IP address

Factory default IP mode setting of the PS100 is `DHCP`. If you are using DHCP servers for your network environments, skip this chapter.

1) Select menu `1. IP Configuration` at the main menu.

2) Select submenu `1. IP mode.` Change IP mode to `static IP`.

3) Select submenu 2~6 to set IP configuration parameters according to your network environment, i.e. `IP address, Subnet mask, Default gateway, Primary DNS, Secondary DNS`.

4) Return to the main menu by press `ESC` key.

```
-----------------------------------------------------------
IP configuration
-----------------------------------------------------------
Select menu
1. IP mode : DHCP
 <ESC> Back, <ENTER> Refresh
 -----> 1
Select mode (1 = Static IP, 2 = DHCP, 3 = PPPoE)
 -----> 1
-----------------------------------------------------------
IP configuration
-----------------------------------------------------------
Select menu
1. IP mode : static IP
2. IP address : 192.168.12.4
3. Subnet mask : 255.255.0.0
4. Default gateway : 192.168.1.1
5. Primary DNS : 211.172.129.198
6. Secondary DNS : 211.172.129.199
 <ESC> Back, <ENTER> Refresh
 ----->
```

4. Serial port configuration

1) Select the menu `2. Serial port configuration` at the main menu.

2)) Select the menu `1. port#1 settings.`

3) Select the submenu `1. Host mode configuration`, and set up the host mode parameters according to your application.

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4) Select the submenu `2. UART`, and set up the parameters as same as those of your serial device.

5) Return to the main menu by press `ESC` key.

```
-----------------------------------------------------------
Serial configuration
-----------------------------------------------------------
Port# Mode    Port    Destination      Type      Settings      Flow
1     TCP s   6000    N/A              RS232     9600-N-8-1    RTS/CTS

Select menu
1. port#1 settings


 <ESC> Back, <ENTER> Refresh
 -----> 1
-----------------------------------------------------------
Serial configuration --> port #1
-----------------------------------------------------------
Select menu
1. Host mode configuration
2. UART Configuration
3. Cryptography Configuration
4. Option
 <ESC> Back, <ENTER> Refresh
 ----->
```

5. Apply changes

1) After finishing the serial port configuration, return to the main menu by pressing `ESC` key several times.

2) Save changed values by selecting menu `7. Save changes` at the main menu.

3) Reboot the HelloDevice PS100 by selecting menu `9. Exit and reboot.`

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1. Connection
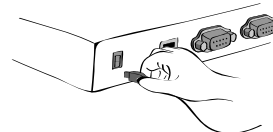
1) Hook up the power to the HelloDevice PS200.

Figure 1. Connecting power

2) Hook up the Ethernet cable to the RJ45 connector of the HelloDevice PS200 with your hub or switch.
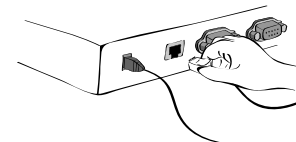
Figure 2. Connecting Ethernet cable

3) Hook up the RS232 serial cable between the HelloDevice PS200 and your serial device. (See Table 1 for pin assignments)
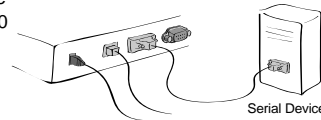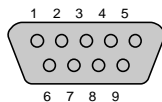
Serial Device

Figure 3. Connecting serial device

4) Turn on the power switch on the front panel.

5) Confirm the `Power` LED lights up on the front panel.

6) Confirm the `Link` LED lights up and `Act` LED is blinking on the front panel.

1 2 3 4 5
6 7 8 9

Pin	RS232	RS422	RS485
1		Tx-	Data-
2	Rx		
3	Tx	Rx-	
4	DTR	Rx+	
5	GND		
6	DSR		
7	RTS		
8	CTS		
9		Tx+	Data+

Table1. DB9 Pin assignments

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2. Log-in to serial console

1) Connect a null-modem serial cable between your computer and the console port of the HelloDevice PS200 on the front panel.
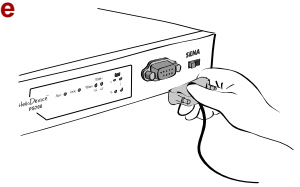
Figure 4. Connecting console cable

2) Run a terminal emulation program such as HyperTerminal and set up the serial configuration parameters as follows:
```
Baud rate = 9600, Data bits = 8, Parity = None,
Stop bits = 1, Flow control = Hardware (RTS/CTS)
```

3) Press `ENTER` key at the terminal emulation program.

4) Enter the user name and password. Factory default settings of the user name and password are both `admin`.

```
Login : admin
Password : *****
----------------------------------------------------------------
Welcome to PS-200 configuration page
Current time : 2002/06/10 11:46:42
Serial No.   : PS200-020200028     MAC Address : 00-01-95-04-13-80
F/W REV.     : V1.2.7                UP time  : 0 Days 00:02:10
IP mode      : DHCP                 IP Address : 192.168.0.152
----------------------------------------------------------------
Console#1 (Serial) : Connected
Console#2 (Telnet) : Available (NULL)
Console#3 (Telnet) : Available (NULL)
Console#4 (Telnet) : Available (NULL)
----------------------------------------------------------------
Select menu
1. IP Configuration
2. Serial port configuration
3. System Status & log
4. System administration
5. Advanced options
6. System tools
7. Save changes
8. Exit without reboot
9. Exit and reboot
<ESC> Back, <ENTER> Refresh
----->
```

Quick Start Guide

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3. Assign IP address

Factory default IP mode setting of the PS200 is `DHCP`. If you are using DHCP servers for your network environments, skip this chapter.

1) Select menu `1. IP Configuration` at the main menu.

2) Select submenu `1. IP mode`. Change IP mode to `static IP`.

3) Select submenu 2~6 to set IP configuration parameters according to your network environment, i.e. `IP address`, `Subnet mask`, `Default gateway`, `Primary DNS`, `Secondary DNS`.

4) Return to the main menu by press `ESC` key.

```
----------------------------------------------------------------
IP configuration
----------------------------------------------------------------
Select menu
1. IP mode : DHCP
<ESC> Back, <ENTER> Refresh
-----> 1
Select mode (1 = Static IP, 2 = DHCP, 3 = PPPoE)
-----> 1
----------------------------------------------------------------
IP configuration
----------------------------------------------------------------
Select menu
1. IP mode : static IP
2. IP address : 192.168.12.4
3. Subnet mask : 255.255.0.0
4. Default gateway : 192.168.1.1
5. Primary DNS : 211.172.129.198
6. Secondary DNS : 211.172.129.199
<ESC> Back, <ENTER> Refresh
----->
```

4. Serial port(s) configuration

1) Select the menu `2. Serial port configuration` at the main menu.

2) Select the serial port that will be hooked up with your serial device.

3) Select the submenu `1. Host mode configuration`, and set up the host mode parameters according to your application.

4) Select the submenu `2. UART`, and set up the parameters as same as those of your serial device.

5) Return to the main menu by press `ESC` key.

```
----------------------------------------------------------------
Serial configuration
----------------------------------------------------------------
Port# Mode    Port   Destination     Type    Settings    Flow
1    TCP s   6000   N/A             RS232   9600-N-8-1  RTS/CTS
2    TCP s   6001   N/A             RS232   9600-N-8-1  RTS/CTS

Select menu
1. port#1 settings
2. port#2 settings
<ESC> Back, <ENTER> Refresh
-----> 1
----------------------------------------------------------------
Serial configuration --> port #1
----------------------------------------------------------------
Select menu
1. Host mode configuration
2. UART Configuration
3. Cryptography Configuration
4. Option
<ESC> Back, <ENTER> Refresh
----->
```

5. Apply changes

1) After finishing the serial port(s) configuration, return to the main menu by pressing `ESC` key several times.

2) Save changed values by selecting menu `7. Save changes` at the main menu.

3) Reboot the HelloDevice PS200 by selecting menu `9. Exit and reboot`.

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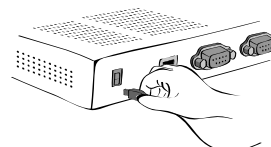## 1. Connection

1) Hook up the power to the HelloDevice PS400.

Figure 1. Connecting power

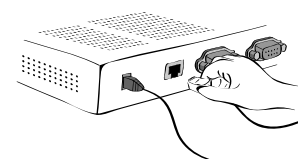2) Hook up the Ethernet cable to the RJ45 connector of the HelloDevice PS400 with your hub or switch.

Figure 2. Connecting Ethernet cable

3) Hook up the RS232 serial cable between the HelloDevice PS400 and your serial device. (See Table 1 for pin assignments)
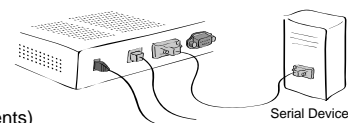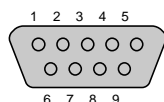
Serial Device

Figure 3. Connecting serial device

4) Turn on the power switch on the front panel.

5) Confirm the `Power` LED lights up on the front panel.

6) Confirm the `Link` LED lights up and `Act` LED is blinking on the front panel.

1 2 3 4 5

6 7 8 9

Pin	RS232	RS422	RS485
1		Tx-	Data-
2	Rx		
3	Tx	Rx-	
4	DTR	Rx+	
5	GND		
6	DSR		
7	RTS		
8	CTS		
9		Tx+	Data+

Table1. DB9 Pin assignments

2. Log-in to serial console

1) Connect a null-modem serial cable between your computer and the console port of the HelloDevice PS400 on the front panel.
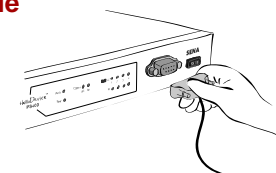
Figure 4. Connecting console cable

2) Run a terminal emulation program such as HyperTerminal and set up the serial configuration parameters as follows:
`Baud rate = 9600, Data bits = 8, Parity = None, Stop bits = 1, Flow control = Hardware (RTS/CTS)`

3) Press `ENTER` key at the terminal emulation program.

4) Enter the user name and password. Factory default settings of the user name and password are both `admin`.

```
Login : admin
Password : *****
---------------------------------------------------------------
Welcome to PS-400 configuration page
Current time : 2002/06/10 11:46:42
Serial No. : PS400-020200028       MAC Address : 00-01-95-04-13-80
F/W REV.   : V1.2.7                UP time  : 0 Days 00:02:10
IP mode    : DHCP                  IP Address : 192.168.0.152
---------------------------------------------------------------
Console#1 (Serial) : Connected
Console#2 (Telnet) : Available (NULL)
Console#3 (Telnet) : Available (NULL)
Console#4 (Telnet) : Available (NULL)

Select menu
1. IP Configuration
2. Serial port configuration
3. System Status & log
4. System administration
5. Advanced options
6. System tools
7. Save changes
8. Exit without reboot
9. Exit and reboot
 <ESC> Back, <ENTER> Refresh
----->
```

Quick Start Guide

3. Assign IP address

Factory default IP mode setting of the PS400 is `DHCP`. If you are using DHCP servers for your network environments, skip this chapter.

1) Select menu `1. IP Configuration` at the main menu.

2) Select submenu `1. IP mode`. Change IP mode to `static IP`.

3) Select submenu 2~6 to set IP configuration parameters according to your network environment, i.e. `IP address, Subnet mask, Default gateway, Primary DNS, Secondary DNS`.

4) Return to the main menu by press `ESC` key.

```
-------------------------------------------------------------
IP configuration
-------------------------------------------------------------
Select menu
1. IP mode : DHCP
 <ESC> Back, <ENTER> Refresh
-----> 1
Select mode (1 = Static IP, 2 = DHCP, 3 = PPPoE)
-----> 1
-------------------------------------------------------------
IP configuration
-------------------------------------------------------------
Select menu
1. IP mode : static IP
2. IP address : 192.168.12.4
3. Subnet mask : 255.255.0.0
4. Default gateway : 192.168.1.1
5. Primary DNS : 211.172.129.198
6. Secondary DNS : 211.172.129.199
 <ESC> Back, <ENTER> Refresh
----->
```

4. Serial port(s) configuration

1) Select the menu `2. Serial port configuration` at the main menu.

2) Select the serial port that will be hooked up with your serial device.

3) Select the submenu `1. Host mode configuration`, and set up the host mode parameters according to your application.

4) Select the submenu `2. UART`, and set up the parameters as same as those of your serial device.

5) Return to the main menu by press `ESC` key.

```
-------------------------------------------------------------
Serial configuration
-------------------------------------------------------------
Port# Mode    Port    Destination     Type     Settings     Flow
1    TCP s   6000    N/A             RS232    9600-N-8-1   RTS/CTS
2    TCP s   6001    N/A             RS232    9600-N-8-1   RTS/CTS
3    TCP s   6002    N/A             RS232    9600-N-8-1   RTS/CTS
4    TCP s   6003    N/A             RS232    9600-N-8-1   RTS/CTS

Select menu
1. port#1 settings
2. port#2 settings
3. port#3 settings
4. port#4 settings
 <ESC> Back, <ENTER> Refresh
-----> 1
-------------------------------------------------------------
Serial configuration --> port #1
-------------------------------------------------------------
Select menu
1. Host mode configuration
2. UART Configuration
3. Cryptography Configuration
4. Option
 <ESC> Back, <ENTER> Refresh
----->
```

5. Apply changes

1) After finishing the serial port(s) configuration, return to the main menu by pressing `ESC` key several times.

2) Save changed values by selecting menu `7. Save changes` at the main menu.

3) Reboot the HelloDevice PS400 by selecting menu `9. Exit and reboot`.

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