



Intelligent Device Server

Quick Installation Guide Ver 0.01 PSS-120



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1. Before Your Start



Package Contents

• PSS-120	x 1
• Power Adapter DC12V 1.5A	x 1
• Quick Installation Guide	x 1



It is highly recommended to use all the supplies in the package instead of substituting any components by other suppliers to guarantee best performance.

- ✓ Web Browser : Internet Explorer (8.0 or above), Firefox, Safari
- ✓ A Computer with a network adapter properly installed.
- ✓ 1 X RJ-45 Ethernet cable.

Preface

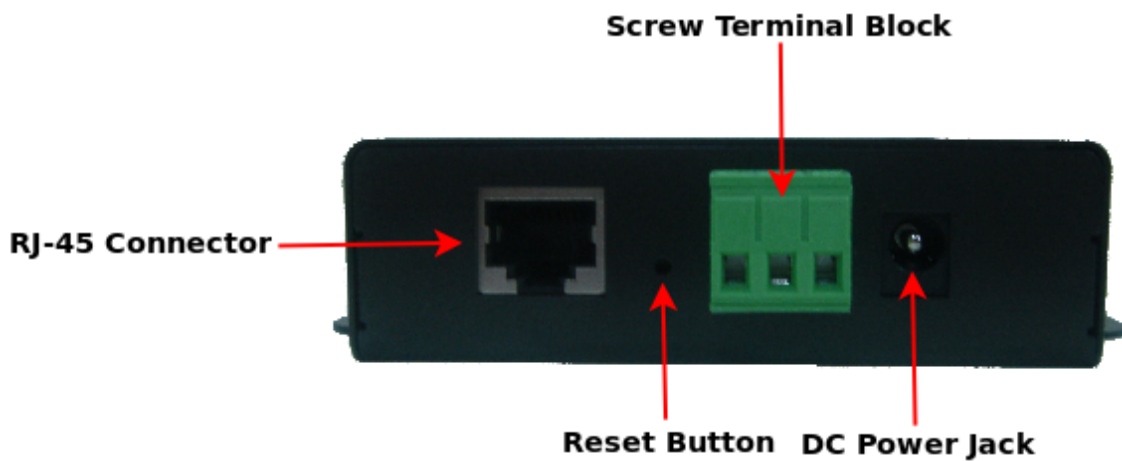
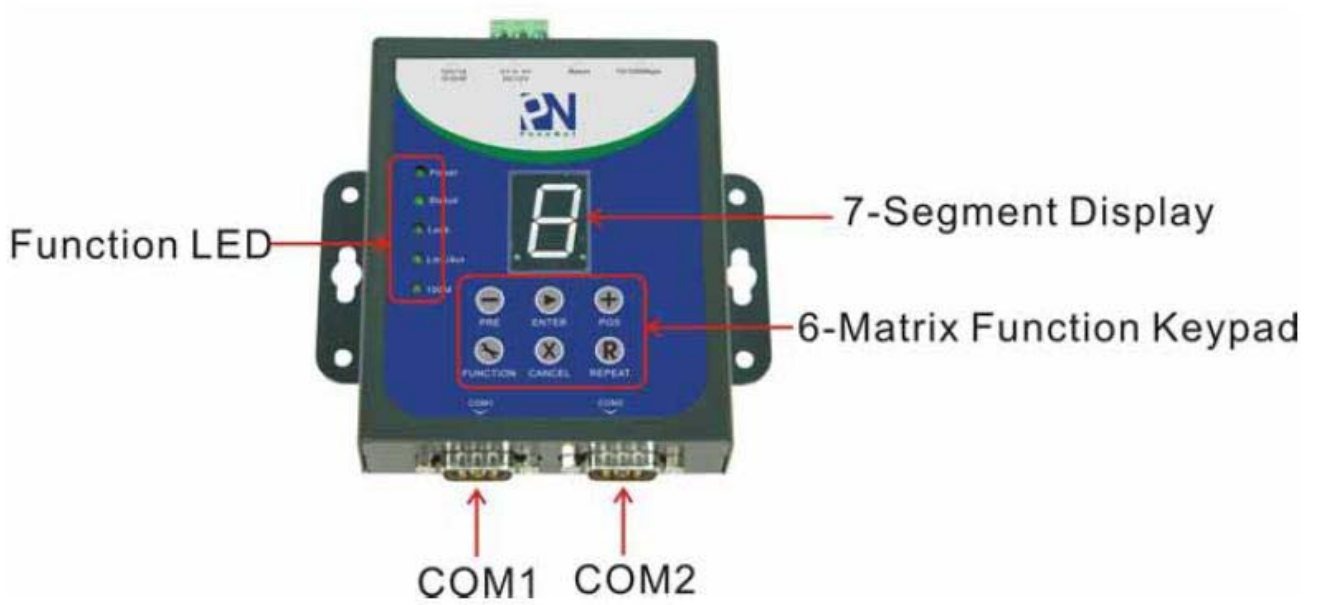
With the growth of the Internet age and ever increasing demand for wireless Internet access in public locations ranging from places such as airports, hotels, conventions, stadiums, restaurants or coffee shops, this has revolutionized the Hotspot application and becoming more and more apparent in our daily lives.

WAS-105R Wireless Hotspot Gateway provides the perfect opportunity to generate added revenue for your business and ensuring quality of service for customers within a secured network and prevent unwelcomed users to access the Internet. **The hotspot on-demand ticket billing kits** containing

PSS-120 Network Device Server to work with **WP-T610 / WP-T620 Line Thermal Printer** to provides instant ticketing for users and comes with two COM ports for redundancy where two Line Thermal Printers can be attached at the same time. **The hotspot on-demand billing kit** is designed with ease of use for account generation via PSS-120 Network Device Server from the built-in On-Demand billing plan from WAS-105R Wireless Hotspot Gateway and then prints the account ticket via WP-T610 / WP-T620 Line Thermal Printer.

The hotspot on-demand ticket billing kits is easy to installation and setup where the Line Thermal Printer connects directly to PSS-120 Network Device Server with serial port (RS-232) COM1 and COM2 (for redundancy) and standard TCP/IP (RJ45) interface to connect to WAS-105R Wireless Hotspot Gateway. It is simple to operate with just a few clicks on the PSS-120 Network Device Server and out comes the ticket from the Line Thermal Printer.

PSS-120 Overview



LED and Keypad Description



LED Indicator:

- **Power** : LED **ON** indicates power on, and **OFF** indicates power off.
- **Status** : LED **ON** indicates the device **associated** with WAS-105R; LED **OFF** indicates the device **unassociated** with WAS-105R; LED **FLASH** indicates the **FUNCTION** key activated.
- **Lock** : LED **ON** indicates the Keypad **locked**; LED **OFF** indicates the Keypad **unlocked**; LED **FLASH** indicates input digit number key for unlocking.
- **Link/Act** : Link and activity of Ethernet port
- **100M** : Link speed of Ethernet port.

Keypad :

- **- / +** : **Increase**(POS) and **Decrease**(PRE) number for selecting *Plan* or *Function* option. **Press and Hold two** button for more than **5** seconds (until **Status LED FLASH**) to reset the device to default configurations.
- **Enter** : Click to printer On-Demand Account Tickets or Function selected.
- **FUNCTION** :
 - ➔ **Lock Keypad function** : Press and Hold button until **Lock LED ON**.
 - ➔ **Unlock Keypad function** : Press button until **Lock LED FLASH**, then input key for unlocking.
 - ➔ **Link Test function** : Click button, then select in number **1** and click Enter.
 - ➔ **Statement Printing** : Click button, then select in number **9** and click Enter, the WP-T610 / WP-T620 will print Statement of "**Current Balance**"; select in number **8** and click Enter, the WP-T610 / WP-T620 will print Statement of "**Early Balance**".
- **CANCEL** : Stop to print Statement, Clear input key for unlocking or cancel other event...
- **REPEAT** : Repeat to print **previous** Tickets.

2. Hardware Installation

Please follow the steps mentioned below to install the hardware of PSS-120 with **WAS-105R** and **WP-T610 / WP-T620**



1. Connect PSS-120 to your WAS-105R via Ethernet cable.

Connect one end of the Ethernet cable to the LAN port of PSS-120 on the front panel. On your environment, connect the other end of the cable to your network.



PSS-120 also can connect to WAN1/WAN2 port of WAS-105R, but PSS-120's network subnet must be same with WAS-105R's WAN1/WAN2

2. Connect PSS-120 to your WP-T610 / WP-T620 via the provided RS-232(DB9 to DB25) cable.

Connect one end of the RS-232 cable to **COM1** port of PSS-120 on the front panel. Connect the other end of RS-232 cable to WP-T610's/WP-T620's **DB25 Connector** for communicating with Line Thermal Printer.

3. Connect the DC power adapter to the PSS-120 power socket on the rear panel.

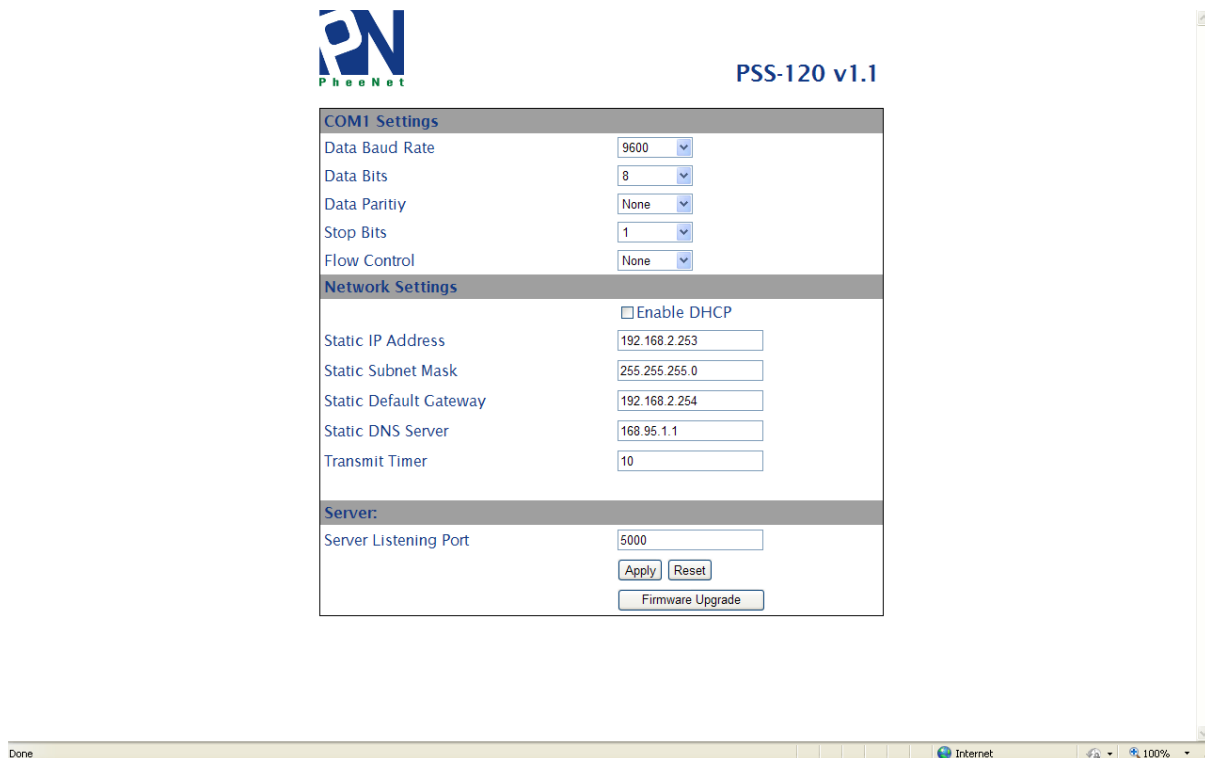


Please only use the power adapter supplied with the PSS-120 package. Using a different power adapter may damage this system

3. Getting Started

Step :

1. Once the hardware installation is done, set the IP segment of the administrator's computer to be in the subnet of **192.168.2.x**. Since the PSS-120's default IP address is **192.168.2.253**, make sure no other network devices are assigned an IP address of **192.168.2.253**.
2. Launch a web browser to access the web GUI of PSS-120 by entering "**http://192.168.2.253/setting.htm**" in the address field.
3. After a successful login, the "**Setting Page**" will appear on the screen.



4. Set **COM1 Settings** for communicating with **WP-T610 / WP-T620** Line Thermal Printer.(The default COM1 Setting already matched with WP-T610 / WP-T620)
5. Configure IP Address in the same range of **WAS-105R**.(The default WAS-105R's LAN IP address is **192.168.2.254**)
6. Select desired **Server Listening Port**, default is **5000**.
7. Click **Apply** button to enable New setting.

4. Configuration

WAS-105R provides wireless and wired network service with On-Demand authentication for clients in Service Domain. Administrator can select Billing Plan on each WP-T610 / WP-T620 Line Thermal Printer. If *Billing Plan* is enabled, the Line Thermal Printer can generate On-Demand's tickets. The clients are required to get authenticated successfully before access the Internet.

Configuration Steps :

Step 1 : Create Billing Plans.

- Click **Service Domain** -> **Authentication** -> **On-Demand** -> **Billing Plans Setup**, the Billing Plans List page will appear. Here provides **10** sets of independent billing plans.

🏠 Service Domain > **Billing Plans Setup**

Billing Plans List							
#	Status	Plan Name	Type:Quota	Price		Edit	Info
0	On	Package 0	Unlimited Until End Time	10.00 USD		Edit	Info
1	On	Package 1	Multiple Times: 60 Minutes	5.00 USD		Edit	Info
2	On	Package 2	One Time: 60 Minutes	3.00 USD		Edit	Info
3	Off	Package 3	Unlimited Until End Time	10.00 USD		Edit	Info
4	Off	Package 4	Unlimited Until End Time	10.00 USD		Edit	Info
5	Off	Package 5	Unlimited Until End Time	10.00 USD		Edit	Info
6	Off	Package 6	Unlimited Until End Time	10.00 USD		Edit	Info
7	Off	Package 7	Unlimited Until End Time	10.00 USD		Edit	Info
8	Off	Package 8	Unlimited Until End Time	10.00 USD		Edit	Info
9	Off	Package 9	Unlimited Until End Time	10.00 USD		Edit	Info

- Select desired Billing Plan and click **Edit**, then setup page will appear.

- Enable Billing and set desired billing plan for uses used. Below depicts an example for Billing Plan 2 S

🏠 Service Domain > Billing Plans Setup > **Billing Plan2 Setup**

Billing Plan2 Setup

Service : Disable Enable

Plan Name : *

Price : * ▾

Passcode Type : All Digit All Letters Mix Letter Digit

: No L/I/1 No O/0 No U/V

Passcode Length : *

Wireless ESSID :

Wireless Key :

Description :

Time Policy Setting

Type : One Time Multiple Times Unlimited Until End Time

Quota : Minutes

Effective Start Time : Days Hours Mins

Effective End Time : Days Hours Mins

Step 2 : Set Virtual AP and Select On-Demand's Authentication for Service Domain

- Click **Service Domain**, the Service Domain Setup page will appear.
- Set **VAP0** in Domain1 and select **On-Demand** in Authentication Type. Below depicts an example for Domain1 with AP0 and On-Demand's authentication.

Service Domain Setup

The screenshot displays seven domain configuration panels, each with the following fields:

- Domain 0:** LAN Port LAN, Auth Type None, Redirect URL Link, Login Page Template Page. Includes AP1-AP7 icons.
- Domain 1:** LAN Port VLAN1, Auth Type On-demand, Redirect URL Link, Login Page Template Page. Includes AP0 icon.
- Domain 2:** LAN Port VLAN2, Auth Type None, Redirect URL Link, Login Page Template Page.
- Domain 3:** LAN Port VLAN3, Auth Type None, Redirect URL Link, Login Page Template Page.
- Domain 4:** LAN Port VLAN4, Auth Type None, Redirect URL Link, Login Page Template Page.
- Domain 5:** LAN Port VLAN5, Auth Type None, Redirect URL Link, Login Page Template Page.
- Domain 6:** LAN Port VLAN6, Auth Type None, Redirect URL Link, Login Page Template Page.
- Domain 7:** LAN Port VLAN7, Auth Type None, Redirect URL Link, Login Page Template Page.

Step 3 : Select Billing Plans for Line Thermal Printer.

→ Click **Service Domain -> Authentication -> On-Demand -> Line Thermal Printer Setup**, the Line Thermal Printer List page will appear.

Service Domain > Billing Plans Setup > Thermal Printer Setup

Thermal Printer List

#	Status	IP Address	Command Port	COM Port	Date	Description	Edit	Info
0	On	192.168.2.253	5000	COM1	23:59		Edit	Info
1	Off		5000	COM1	23:59		Edit	Info
2	Off		5000	COM1	23:59		Edit	Info
3	Off		5000	COM1	23:59		Edit	Info
4	Off		5000	COM1	23:59		Edit	Info
5	Off		5000	COM1	23:59		Edit	Info
6	Off		5000	COM1	23:59		Edit	Info
7	Off		5000	COM1	23:59		Edit	Info
8	Off		5000	COM1	23:59		Edit	Info
9	Off		5000	COM1	23:59		Edit	Info

→ Select desired Line Thermal Printer and click **Edit**, then setup page will appear.

→ Enable Line Thermal Printer and set related setting with **PSS-120**. Then select desired Billing Plan for Line Thermal Printer. Below depicts an example.

Service Domain > Billing Plans Setup > Thermal Printer Setup > Thermal Printer0 Setup

Thermal Printer0 Setup

Service: Disable Enabled

IP Address: 192.168.2.253 *

Command Port: 5000 *

COM Port: COM1 COM2

New Lock Password: *

Confirm Lock Password: *

Balance Date: 23:59 *hh:mm

Description:

Billing Plan Setup List

#	Enable	Plan Name	Type:Quota	Price
0	<input checked="" type="checkbox"/>	Package 0	Unlimited Until End Time	10.00 USD
1	<input checked="" type="checkbox"/>	Package 1	Multiple Times: 60 Minutes	5.00 USD
2	<input checked="" type="checkbox"/>	Package 2	One Time: 60 Minutes	3.00 USD
3	<input type="checkbox"/>	Package 3	Unlimited Until End Time	10.00 USD
4	<input type="checkbox"/>	Package 4	Unlimited Until End Time	10.00 USD
5	<input type="checkbox"/>	Package 5	Unlimited Until End Time	10.00 USD
6	<input type="checkbox"/>	Package 6	Unlimited Until End Time	10.00 USD
7	<input type="checkbox"/>	Package 7	Unlimited Until End Time	10.00 USD
8	<input type="checkbox"/>	Package 8	Unlimited Until End Time	10.00 USD
9	<input type="checkbox"/>	Package 9	Unlimited Until End Time	10.00 USD

Save

Step 4 : Reboot WAS-105R.

- Click **Reboot** button to enable new setting.

Step 5 : PSS-120 Link Test .

- After reboot, the PSS-120's **Status** LED should be **ON**.
- Press **FUNCTION** button, the **Status** LED should be **FLASH**.
- Select in number **1** and press **Enter** button, the WP-T610 / WP-T620 Line Thermal Printer should be print "**Thermal Printer Link Test !**" message
- Press **CANCEL** button to stop function event, the **Status** LED should be **ON**.

Step 6 : Generate On-Demand's Ticket from Line Thermal Printer.

- Press **POS** or **PRE** button, select desired Billing Plan(e.g Plan **0~2** for this example)and click **Enter** button to print ticket for your visitor. This ticket contains a unique login **Passcode**.

```
Passcode: DF2T5TCB  
  
Price: 3.00 USD  
Type : One Time  
Quota : 60 mins  
Create Time: 2010/06/09 16:45:34  
Start Time: 2010/06/09 16:45:34  
End Time: 2010/06/14 16:45:34  
Wireless ESSID:  
Wireless Key:  
Description:
```

```
Passcode: 547QNM3R  
  
Price: 5.00 USD  
Type : Multiple Time  
Quota : 60 mins  
Create Time: 2010/06/09 16:45:30  
Start Time: 2010/06/09 16:45:30  
End Time: 2010/06/14 16:45:30  
Wireless ESSID:  
Wireless Key:  
Description:
```

```
Passcode: NBDYSNMC  
  
Price: 10.00 USD  
Type : Unlimited  
Quota : Until End Time  
Create Time: 2010/06/09 16:45:25  
Start Time: 2010/06/09 16:45:25  
End Time: 2010/06/14 16:45:25  
Wireless ESSID:  
Wireless Key:  
Description:
```

Step 7 : User your Ticket to Access Internet.

- Connect a client device (e.g. Notebook) with wireless interface to scan the configured ESSID of WAS-105R (e.g. **AP00**) and get associated with this ESSID.
- The client device will obtain an IP address automatically via DHCP from WAS-105R. Open a web browser on a client device, access any URL, and then the Domain1 **User Login Page** will appear.
- Enter the **Passcode** of a printer ticket previously generated via **WP-610T/WP620-T Line Thermal Printer**. Then Click **Login button**. Below depicts an example for login with Passcode.

WAS-105R Hotspot Gateway
802.11B/G/N MIMO Hotspot Gateway

Passcode :

i Please input Passcode/Username and Passwrod, then you can use our internet service. Thanks!

Congratulation!

The success page as below will appear after a client has successfully logged into WAS-105R and has been authenticated by the system. Now, you are connected the network and Internet!

WAS-105R Hotspot Gateway
802.11B/G/N MIMO Hotspot Gateway

[Home](#)

Connection Time : 2010/6/9 17:41:51 GMT +0800
Expire Time : 2010/6/14 16:45:30 GMT +0800
Remaining Time : 0day 00:59:51

i Please Don't Close This Page.