Terminal Model

The Ingenico iWL250 Wireless Payment Terminal is a compact and ergonomically designed terminal capable of processing card transactions.

The iWL250 model comes in three variants:

- Bluetooth terminal with PSTN and IP communications
- Mobile terminal with GSM/GPRS communications
- Wi-Fi terminal with Wi-Fi communications

This User Guide addendum covers the Wi-Fi variant and is designed to be used in conjunction with the iWL250 User Guide.

Wi-Fi Setup

> **PCI DSS (version 2) specifies that WEP must not be used for securing Wi-Fi networks used by payment terminals. PCI DSS compliance requires the use of robust encryption and authentication as provided by the IEEE 802.11i standard (ie. WPA or WPA2).**

Wi-Fi terminals **must** only be connected to a Wi-Fi network operating with either WPA or WPA2 Wi-Fi security standards; you should contact your IT provider if you wish to check or amend your Wi-Fi network's configuration.

To enter the Wi-Fi configuration tool, press the _menu_ key **twice**, then choose SUPERVISOR by pressing the _F3_ key. You will be asked to type your current supervisor password, and confirm this by pressing the _enter_ key. Press the _menu_ key, choose SHORT CUT by pressing the _F1_ key, press the _menu_ key **once more** and choose WIFI SETUP by pressing the _F1_ key.

❖ **MENU, MENU, F3, [password], ENTER, MENU, F1, MENU, F1**

You can use the _up_, _down_ and _enter_ keys to select the desired option:

NEW PROFILE	Create a new saved Wi-Fi connection profile.
ACTIVE PROFILE	Selects an existing saved Wi-Fi connection profile.
MODIFY PROFILE	Edit an existing saved Wi-Fi connection profile.
REMOVE PROFILE	Remove an existing saved Wi-Fi connection profile.

Multiple Wi-Fi connection profiles (for different Wi-Fi networks) may be saved in your terminal, allowing the most appropriate Wi-Fi network to be used, at any given time, based on availability and the priority weighting associated to each Wi-Fi connection profile.

Create a Wi-Fi Connection Profile

To create a new saved Wi-Fi connection profile select NEW PROFILE.

```
Connection Method:
1-Automatic Scan
2-Manual Connection
```

To scan for available Wi-Fi networks use the _up_ and _down_ keys to select Automatic Scan and press the _enter_ key to begin.

```
Select Network:

    Scanning...
```

Your terminal will scan for all available Wi-Fi networks that are in range.

```
Select Network:
Network_1
Network_2
...
```

All available Wi-Fi networks that are in range will be displayed. Use the _up_ and _down_ keys to select the required Wi-Fi network name and press the _enter_ key.

```
Security Type:
1-Home Security
2-Enterprise Securit
```

The security type associated with the chosen Wi-Fi network will be automatically selected; press the _enter_ key to confirm this selection.

```
Cypher:
1-None
2-WEP64
3-WEP128
4-WPA/WPA2
```

The cypher associated with the chosen Wi-Fi network will be automatically selected; press the _enter_ key to confirm this selection.

```
Wi-Fi Password:


_
```

Enter the password associated with the selected Wi-Fi network and press the _enter_ key to confirm.

```
Priority:
   [low=0/high=20]

        1_
```

If accepted, enter the priority weighting you wish to associate to this Wi-Fi connection profile and press the _enter_ key.

You will receive a confirmation that the Wi-Fi connection profile has been saved.

> **If you wish to create a Wi-Fi connection profile manually you should choose `Manual Connection`; for this you will need to enter the Wi-Fi network name (ESSID), security type and cypher manually.**

Selecting a Wi-Fi Connection Profile

If you have multiple saved Wi-Fi connection profiles you can manually select which Wi-Fi connection profile to use by selecting `ACTIVE PROFILE`.

```
Active Profile:
[Automatic]
Network_1
Network_2
```

Use the _up_ and _down_ keys to select the Wi-Fi connection profile that you wish to use and press the _enter_ key.

You will receive a confirmation that the Wi-Fi connection profile has been selected.

Selecting `[Automatic]` will allow the most appropriate Wi-Fi network to be used based on availability and the priority weighting associated to each Wi-Fi connection profile.

Editing a Wi-Fi Connection Profile

If you need to change the security type, cypher, password or priority associated to a saved Wi-Fi connection profile you should select `MODIFY PROFILE`.

```
Modify Profile:
Network_1
Network_2
```

Use the _up_ and _down_ keys to select the Wi-Fi connection profile that you wish to edit and press the _enter_ key.

Follow the on-screen prompts, changing whichever attribute that you wish to edit. You will receive a confirmation that the Wi-Fi connection profile has been saved.

> **If you edit a saved Wi-Fi connection profile you will always be asked to re-enter the password associated with the Wi-Fi network.**

Removing a Wi-Fi Connection Profile

If you need to delete a saved Wi-Fi connection profile you should select REMOVE PROFILE.

```
Remove Profile:
Network_1
Network_2
```
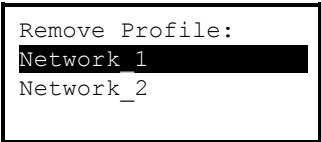
Use the _up_ and _down_ keys to select the Wi-Fi connection profile that you wish to delete and press the _enter_ key.

You will receive a confirmation that the Wi-Fi connection profile has been deleted.

Terminal Display

The terminal display is laid out as below:

Wi-Fi Network Status & Signal

LAN Status

Terminal Status

Date & Time

Handset No.

Handset: 01

Fig. 1: Wi-Fi Terminals

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