



## Stand Alone Integrated Proximity Access Locking Handle

### Product Features

- High security low current electronic locking solution for internal cabinets.
- Integrated proximity SMART card reader.
- Integrated handle position sensor together with diagnostic LED's & buzzer.
- Low power consumption 55ma.
- Emergency manual override.
- Each handle can be programmed with up to 500 user cards.
- Simple and easy to set up and administer.



### i-PAL Handle Status Guide

LED Position	LED	Activity	Audio	Status
Front / Lower Rear	Green	Green Flashing	No	Unit un-programmed factory default setting
Upper Rear	Blue	Blue Steady		
Front / Lower Rear	Green	Green Flashing	Yes	Programme mode
Upper Rear	Blue	Blue Flashing		
Front / Lower Rear	Red	Red Steady	No	Handle locked – at least one card has been validated
Upper Rear	Blue	Blue Steady		

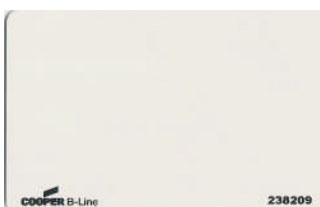
Each i-PAL kit comes complete with one IPALCARD set comprising of seven cards.



X 1

### Programme Card

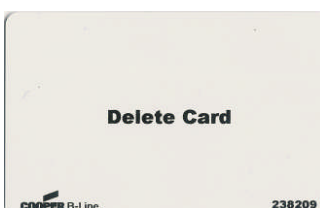
When presented to the i-PAL handle the "Programme Card" opens the system up to allow "User Cards" to be added or deleted to that particular handle.



X 3

### User Cards

Once programmed in to an i-PAL handle the individually electronic signed "User Cards" provide the user with the facility to unlock the associated i-PAL handle simply by presenting the "User Card" in front of the i-PAL handle.



X 3

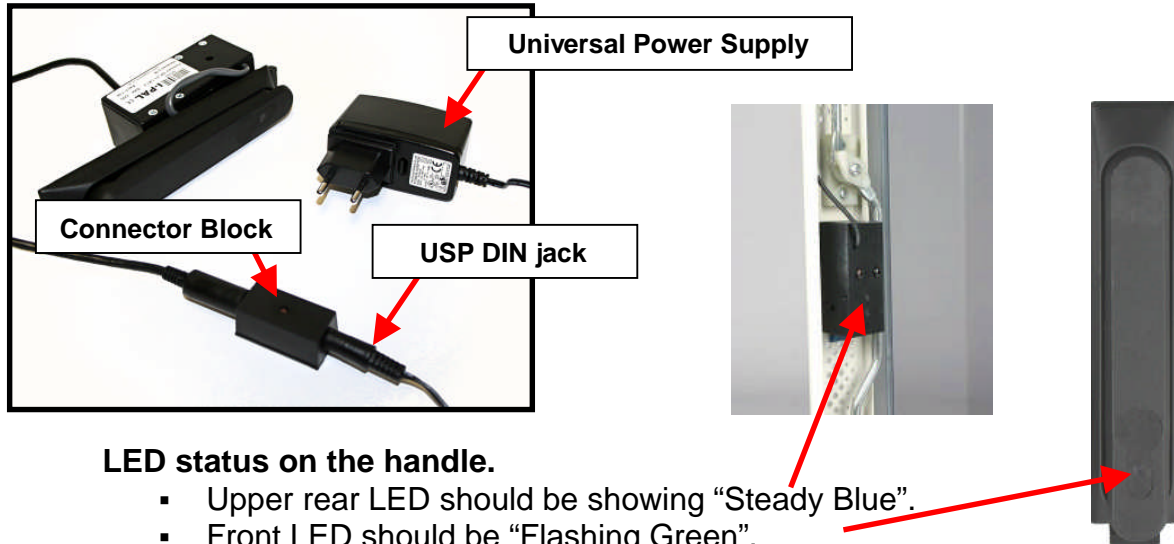
### User Delete Cards

The "User Delete Cards" allow previously allocated "User Cards" to be deleted from each individual i-PAL handle. Again each "User Delete Card" is individually serialised and electronic signed to match up with the corresponding "User Card".

# Programme Procedure

## Make sure the handle is powered up.

- **Universal Power Supply** should be plugged in to the mains supply.
- **i-PAL** handle should be mounted into the door.
- Power supply and handle connection should be made through **Connecting Block** as shown below.



## To Set Up Or Add User Cards

### Add User Cards Step 1

### Open the handle for programming.

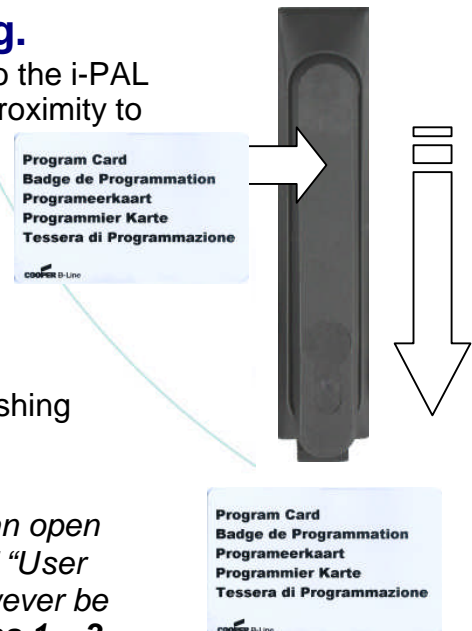
- Simply present the "Programme Card" to the i-PAL handle and swipe downwards in close proximity to the handle.
- When the card is recognised the handle will begin to emit an audible "beep" indicating that the handle is open for programming.

### LED status on the handle.

- Front LED should be "Flashing Green".
- Upper rear LED should be showing "Flashing Blue".

### Notes

- At this point only this "Programme Card" can open the handle up for the addition or deletion of "User Cards". Other "Programme Cards" can however be added, see **Add Programme Cards - Steps 1 – 3.***
- The i-PAL handle automatically reverts to "Normal Mode" if no card is presented within 10 seconds.*
- The i-PAL handle remains unlatched until a "User Card" is programmed into the handle.*



# Programme Procedure

## To Set Up Or Add User Cards (con't)

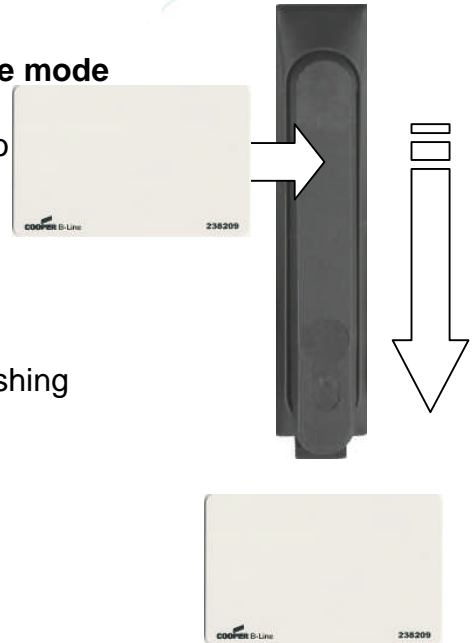
### Add User Cards Step 2

#### Add "User Cards".

- With the i-PAL handle still in **programme mode** (still emitting an audible "beep") present the chosen "User Cards" one at a time to the handle.
- Each time the "User Card" is accepted an additional audible "beep" is emitted.

#### LED status on the handle.

- Front LED should be "Flashing Green".
- Upper rear LED should be showing "Flashing Blue".



### Add User Cards Step 3

#### Close the handle programme function.

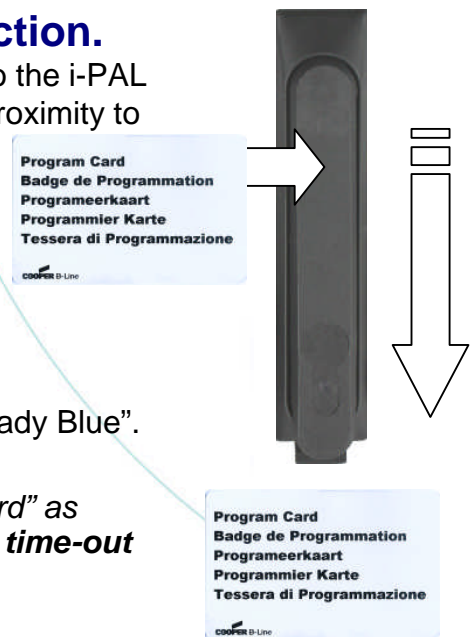
- Simply present the "Programme Card" to the i-PAL handle and swipe downwards in close proximity to the handle.
- Again an audible "beep" will be sounded and the handle will cease "beeping" indicating that the handle is now in **normal mode**.

#### LED status on the handle.

- Front LED should be "Steady Green".
- Upper rear LED should be showing "Steady Blue".

#### Notes

- a. Rather than present the "Programme Card" as indicated above the handle can be left to **time-out** of **programme mode**.



# Programme Procedure

## To Delete User Cards

### Delete User Cards

#### Step 1

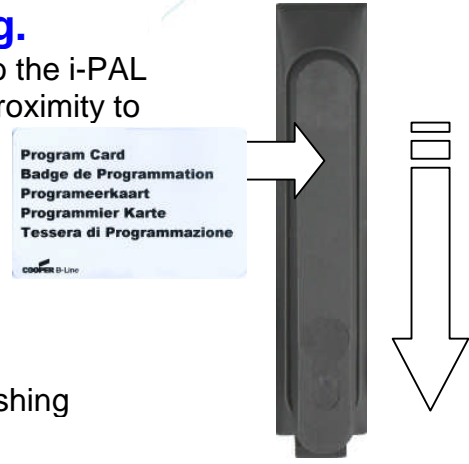
#### Open the handle for programming.

- Simply present the “Programme Card” to the i-PAL handle and swipe downwards in close proximity to the handle.
- When the card is recognised the handle will begin to emit and audible “beep” indicating that the handle is open for programming.

#### LED status on the handle.

- Front LED should be “Flashing Green”.
- Upper rear LED should be showing “Flashing Blue”.

Program Card  
Badge de Programmation  
Programmeerkaart  
Programmier Karte  
Tesserà di Programmazione



Program Card  
Badge de Programmation  
Programmeerkaart  
Programmier Karte  
Tesserà di Programmazione



### Delete User Cards

#### Step 2

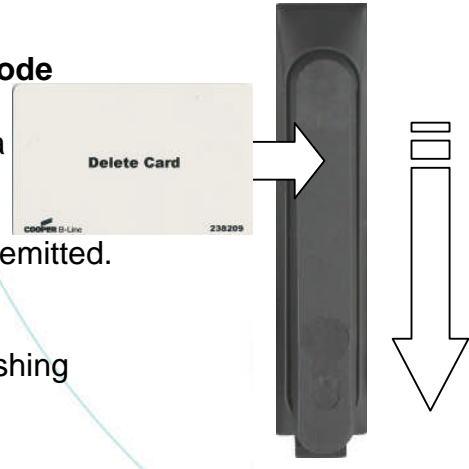
#### Delete “User Cards”.

- With the i-PAL handle in **programme mode** (emitting an audible “beep”) present the chosen “User Delete Cards” one at a time to the handle.
- Each time the “User Delete Card” registers an additional audible “beep” is emitted.

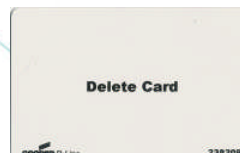
#### LED status on the handle.

- Front LED should be “Flashing Green”.
- Upper rear LED should be showing “Flashing Blue”.

Delete Card



Delete Card



# Programme Procedure

## To Delete User Cards (con't)

### Delete User Cards

#### Step 3

### Close the handle programme function.

- Simply present the “Programme Card” to the i-PAL handle and swipe downwards in close proximity to the handle.
- Again an audible “beep” will be sounded and the handle will cease “beeping” indicating that the handle is now in **normal mode**.

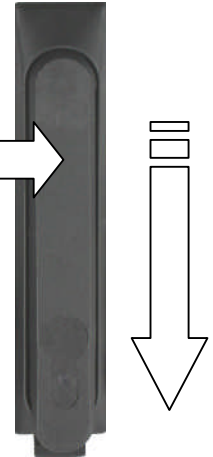
### LED status on the handle.

- Front LED should be “Steady Green”.
- Upper rear LED should be showing “Steady Blue”.

### Notes

- a. Rather than present the “Programme Card” as indicated above the handle can be left to **time-out** of **programme mode**.

Program Card  
Badge de Programmation  
Programmeerkaart  
Programmier Karte  
Tessera di Programmazione



Program Card  
Badge de Programmation  
Programmeerkaart  
Programmier Karte  
Tessera di Programmazione

## To Add Additional Programme Cards

### Add Programme Cards

#### Step 1

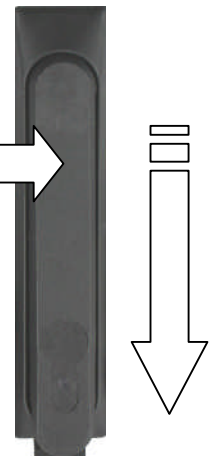
### Open the handle for programming.

- Simply present the “Programme Card” to the i-PAL handle and swipe downwards in close proximity to the handle.
- When the card is recognised the handle will begin to emit and audible “beep” indicating that the handle is open for programming.

### LED status on the handle.

- Front LED should be “Flashing Green”.
- Upper rear LED should be showing “Flashing Blue”.

Program Card  
Badge de Programmation  
Programmeerkaart  
Programmier Karte  
Tessera di Programmazione



Program Card  
Badge de Programmation  
Programmeerkaart  
Programmier Karte  
Tessera di Programmazione

# Programme Procedure

## To Add Additional Programme Cards (con't)

### Add Programme Cards

#### Step 2

### Add Additional “Programme Cards”.

- With the i-PAL handle in **programme mode** (emitting an audible “beep”) present the additional “Programme Cards” one at a time to the handle.
- Each time the “Programme Card” registers an additional audible “beep” is emitted.

#### LED status on the handle.

- Front LED should be “Flashing Green”.
- Upper rear LED should be showing “Flashing Blue”.

#### Notes

Once an additional “Programme Card” has been added to the i-PAL handle it can be used on it’s own to open the handle into **programme mode**.

Program Card  
Badge de Programmation  
Programmeerkaart  
Programmier Karte  
Tessera di Programmazione



### Add Programme Cards

#### Step 3

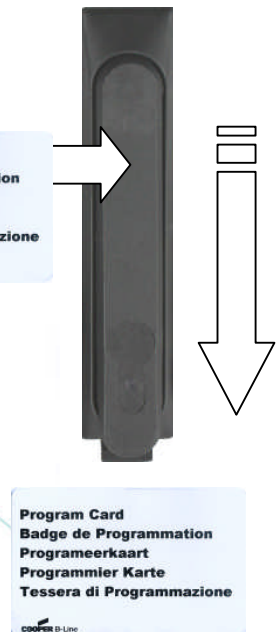
### Close the handle programme function.

- Simply present the “Programme Card” to the i-PAL handle and swipe downwards in close proximity to the handle.
- Again an audible “beep” will be sounded and the handle will cease “beeping” indicating that the handle is now in **normal mode**.

#### LED status on the handle.

- Front LED should be “Steady Green”.
- Upper rear LED should be showing “Steady Blue”.

Program Card  
Badge de Programmation  
Programmeerkaart  
Programmier Karte  
Tessera di Programmazione



# Programme Procedure

## “Quick Clear” User Cards from the i-PAL Memory

### “Quick Clear” all user cards.

- Simply present an associated “Programme Card” to the i-PAL handle three times in quick succession.
- Each time the card is presented the i-PAL handle will emit an audible “beep”.
- By carrying out this process the i-PAL is cleared of ALL previously programmed “User Cards”.

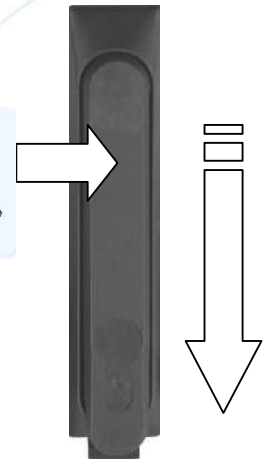
### LED status on the handle at the end of the process.

- Front LED should be “Flashing Green”.
- Upper rear LED should be showing “Flashing Blue”.

### Notes

Once completed new “User Cards” can be added by following Steps 1 – 3 as described in “Add User Cards”.

Program Card  
Badge de Programmation  
Programmeerkaart  
Programmier Karte  
Tessera di Programmazione  
COOPER B-Line



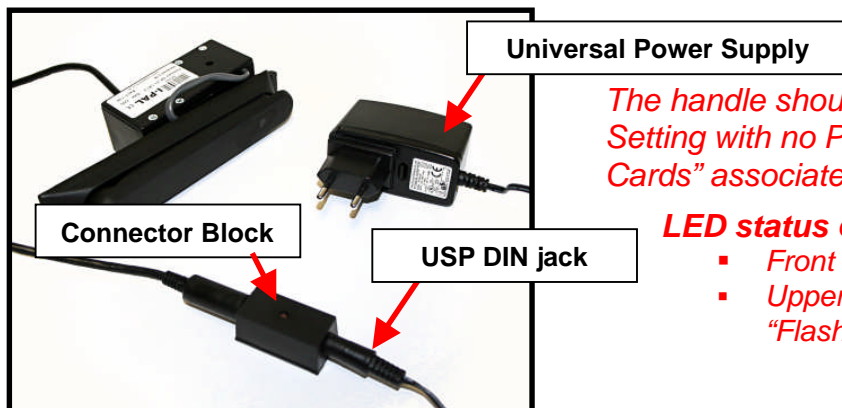
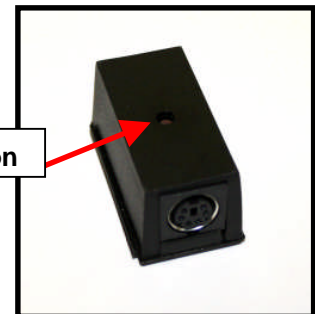
Program Card  
Badge de Programmation  
Programmeerkaart  
Programmier Karte  
Tessera di Programmazione  
COOPER B-Line

## i-PAL Handle Factory Reset

The i-PAL handle can be reset to factory condition by following the following process.

- With power on the **Universal Power Supply (USP)** unplug the **Universal Power Supply DIN** jack from the **Connector Block**.
- Depress and hold the **Reset Button** on the **Connector** and reconnect the DIN jack from the **Universal Power**
- Release the **Reset Button**.
- Unplug the **Universal Power Supply** DIN jack once again and wait 10 seconds before reconnecting it.

Reset Button



*The handle should now be reset to Factory Setting with no Programme Cards” or “User Cards” associated to the handle.*

### LED status on the handle.

- Front LED should be “Flashing Green”.
- Upper rear LED should be showing “Flashing Blue”.