



DesignSHIFT

USER GUIDE
FOR ORWL CONFIGURATION

Version 0.2

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Revision History			
Version	Date	Description of changes	Author(s)
0.1	09-05-17	Initial draft on ORWL configuration user guide	Chaitra
0.2	13-06-17	Document modified based on the comments provided by Daniel	Chaitra

1. Introduction

This document briefs on the steps to be followed to configure the ORWL device.

2. Hardware Requirements

The hardware equipments required are listed below:

- ORWL



- KeyFOB

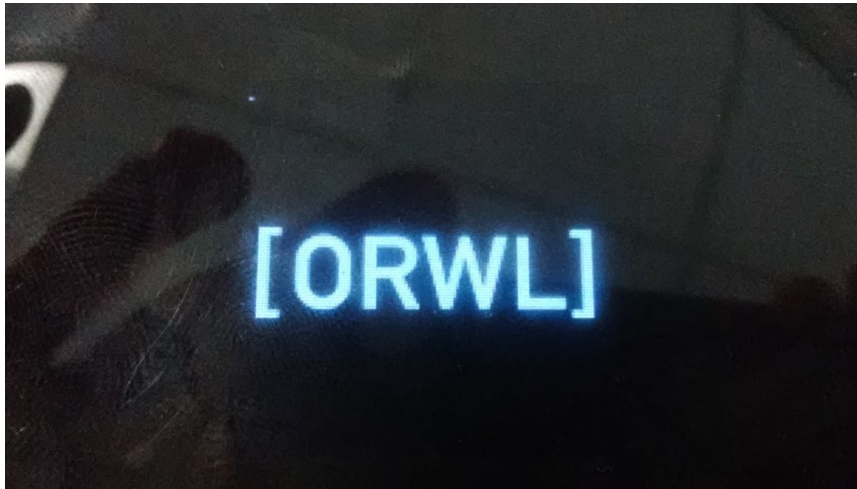


3. Configuration of ORWL

Following are the steps to configure the ORWL device.

Step 1: Power on ORWL

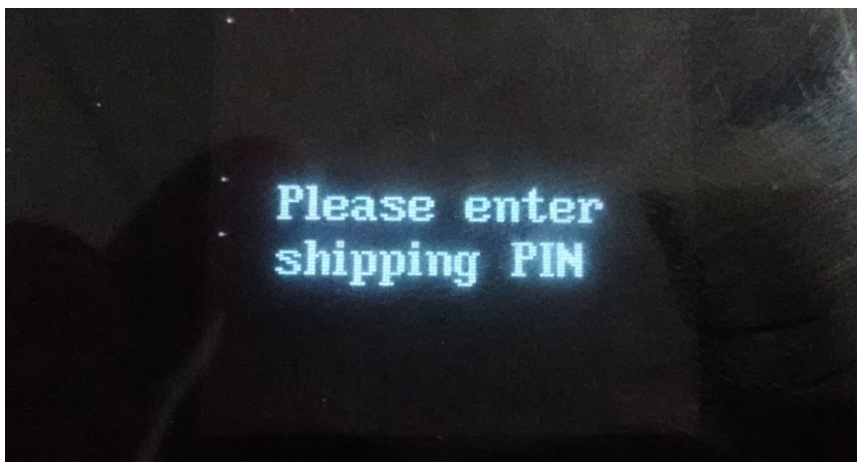
Power on the ORWL by pressing the button provided on ORWL. The position of button is shown in below figure. ORWL logo is displayed after the ORWL device is powered. This message is displayed for few seconds.



Following the ORWL logo, "Enter your PIN" message is displayed. If custom pin is already set by user then flow continues from step 20 otherwise it proceeds with step 2.

Step 2: Display predefined pin entry message

A message "Please enter shipping PIN" is displayed for three seconds.



Step 3: Press power button on the ORWL

Followed by pin entry message, "Please press power button to proceed" message is displayed. Press power button on the ORWL to proceed with configuration.

**Step 4: Enter predefined pin**

Once power button is pressed, enter the 6-digit predefined PIN received through mail.

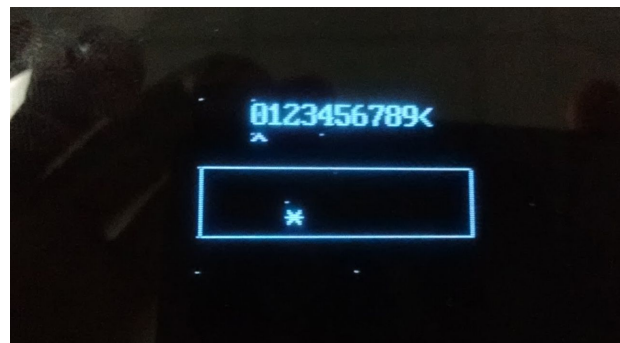
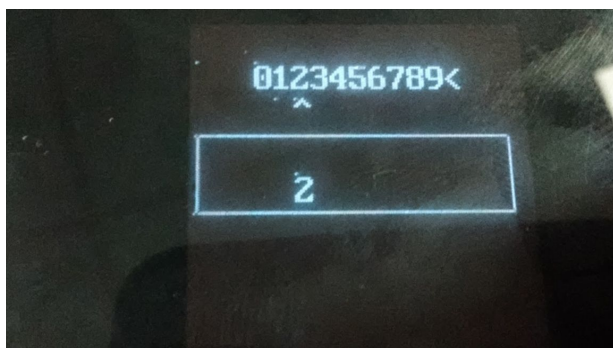
The UI contains all the digits followed by a backspace icon. A cursor pointer(^) will indicate the digit that is currently selected.

Selection of number for the PIN, will start at random position of digit selection, which then shifts sequentially as long as user keeps the power button pressed.

Once a digit is selected by the user (by releasing the power button), as double confirmation the selected digit will be displayed in the box for a second and an entry for PIN is accepted.

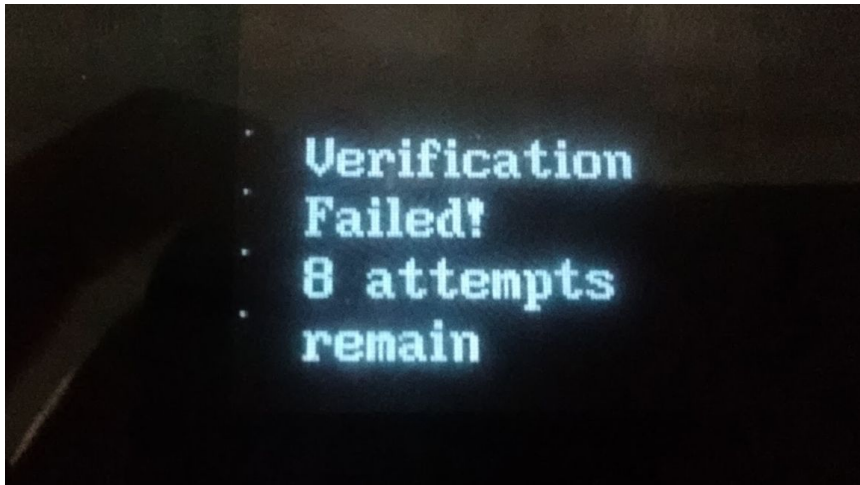
If user finds that the selected digit double confirmation information displays wrong number, he can cancel the same by pressing the power button quickly.

User needs to wait until an asterisk(*) is displayed before choosing the next digit of PIN entry.

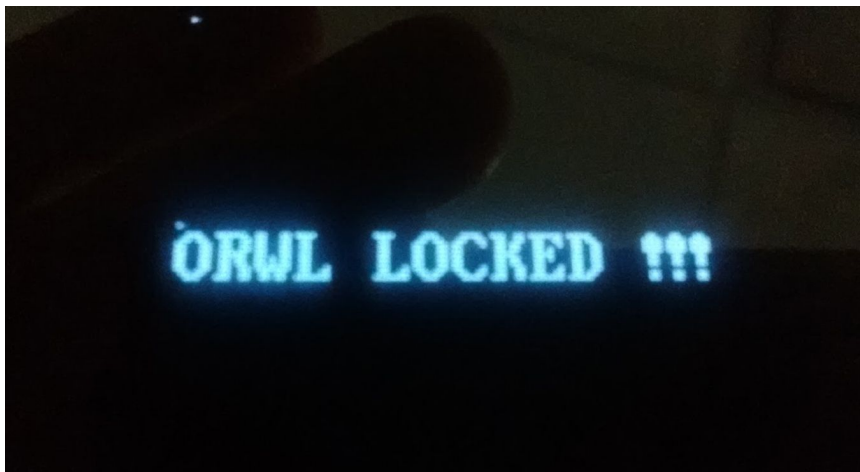


Step 5: Predefined pin verification status

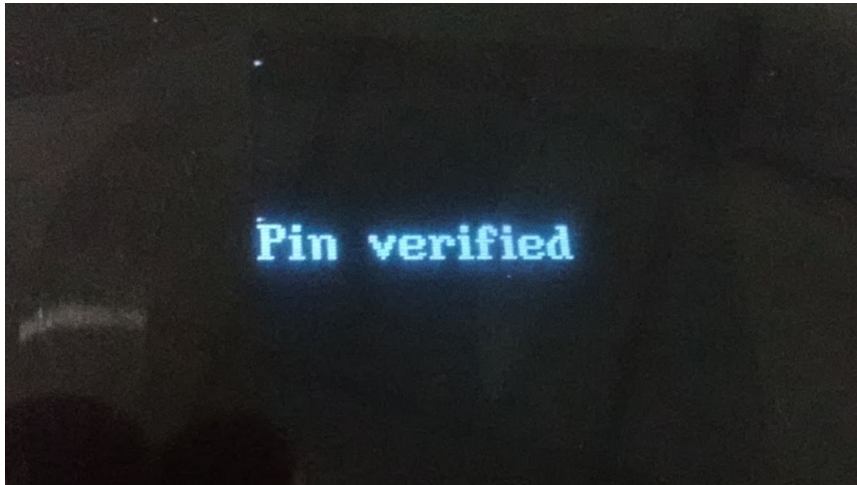
Pin verification successful is indicated by a message on UI "Pin verified". If pin verification is unsuccessful, it is indicated by a message "Verification Failed! X attempt(s) remain." X in this case indicates the number of attempts remaining.



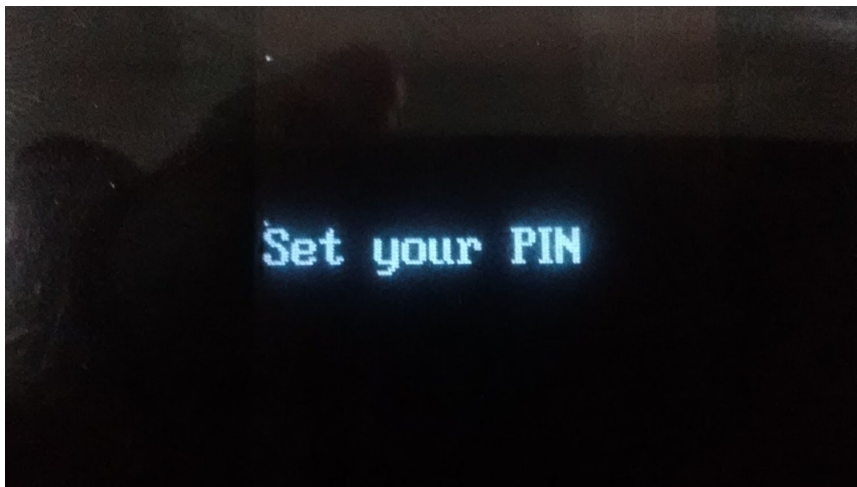
If retry count of 10 is already tried, then a message "ORWL LOCKED !!!" will be displayed and the device needs to be sent to factory for unlocking it.



If PIN verification is successful, then it will continue with the next step.

**Step 6: Display user pin entry message**

Once PIN verification is successful, a message "Set your PIN" followed by PIN verification message is displayed.

**Step 7: Press power button on the ORWL**

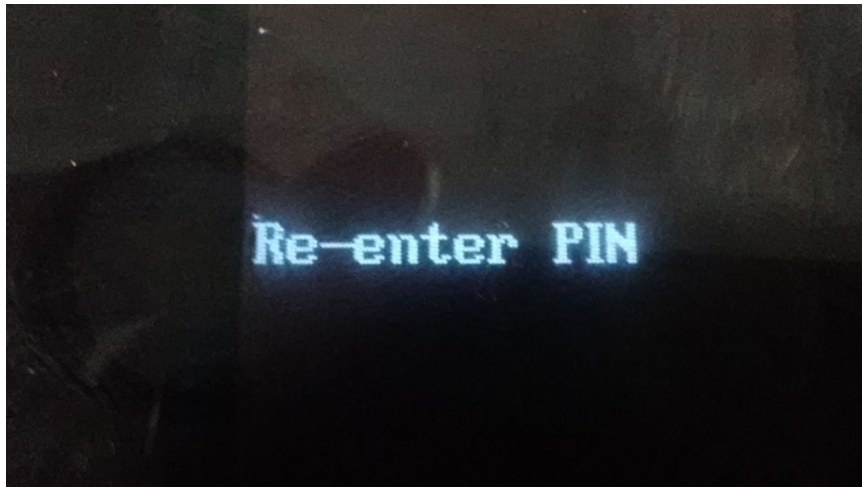
This is same as step 3 to proceed with next step.

Step 8: Enter user pin

Enter 6-digit custom user PIN to be set. The UI contains all the digits followed by a backspace icon. A cursor pointer is also available which shifts from digits to digits sequentially as user presses the power button. PIN digits need to be selected by pressing the power button continuously. Once a digit is selected by moving the cursor to that digit, stop pressing the power button for some time until the digit is written to the UI. The UI is the same as figure displayed in step 4.

Step 9: Display user PIN reentry message

Once custom PIN entry is successful, a message "Re-enter PIN" is displayed.

**Step 10: Press power button on the ORWL**

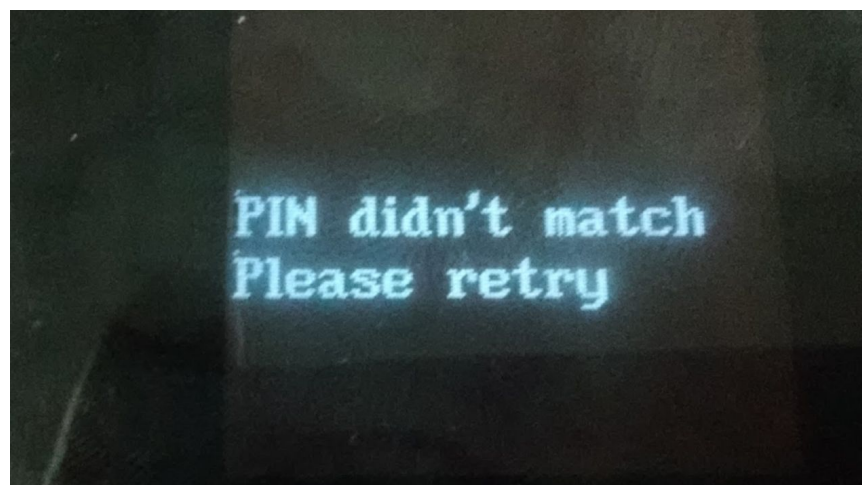
This is same as step 3 to proceed with next step.

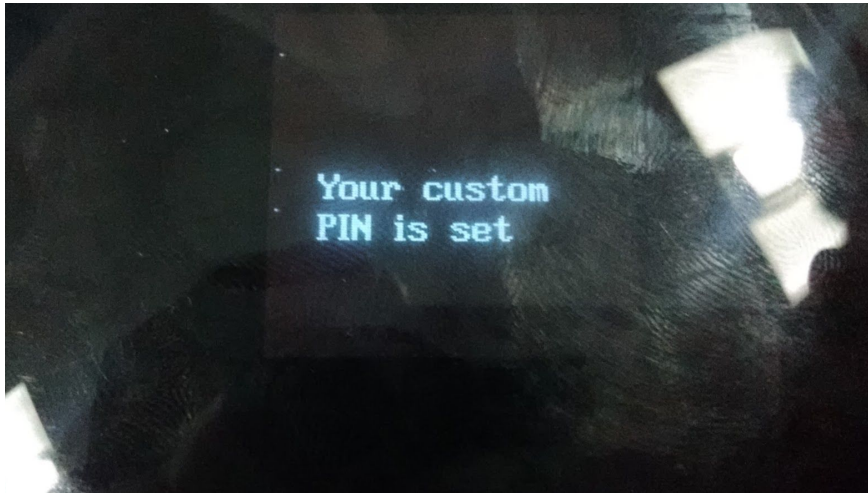
Step 11: Confirm the user PIN

Enter the same 6-digit PIN which is entered in step 8 to confirm the user PIN. The UI is the same as figure displayed in step 4.

Step 12: User PIN configuration status

If user pin configuration is successful, "Your custom PIN is set" message is displayed for three seconds and flow continues with the next step. If PIN configuration is unsuccessful, "PIN didn't match Please retry" message is displayed and flow will be restarted from step 6.

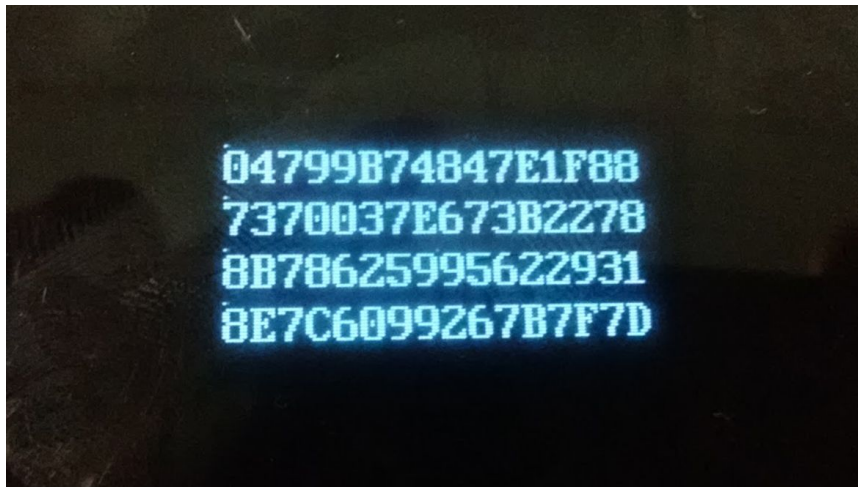


**Step 13: Display hash verification message**

Message "VERIFY HASH Please press power button to confirm" is displayed to verify the hash and ensure the safe shipment of ORWL to a valid user.

**Step 14: Display hash value**

64 byte hash is displayed on the UI. User needs to verify the hash with the hash shared to them via mail. If hash is correct, user needs to press the power button on the ORWL and flow continues with next step. "HASH REJECTED CONTACT VENDOR OR RETRY AGAIN" message is displayed on timeout of 5 minutes and device needs to be shipped back to factory.

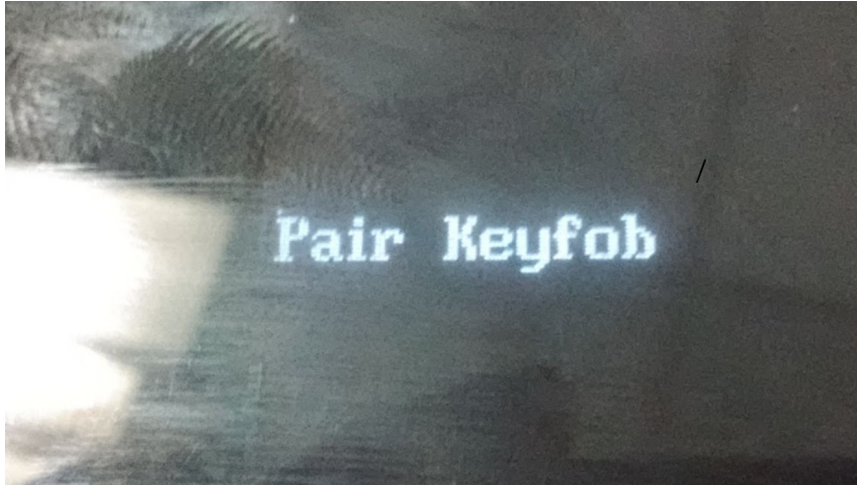
**Step 15: Press power button on ORWL**

User needs to press power button on ORWL to indicate proper hash verification and safe shipment of ORWL. A message "HASH CONFIRMED SAFE SHIPMENT" is displayed for three seconds.

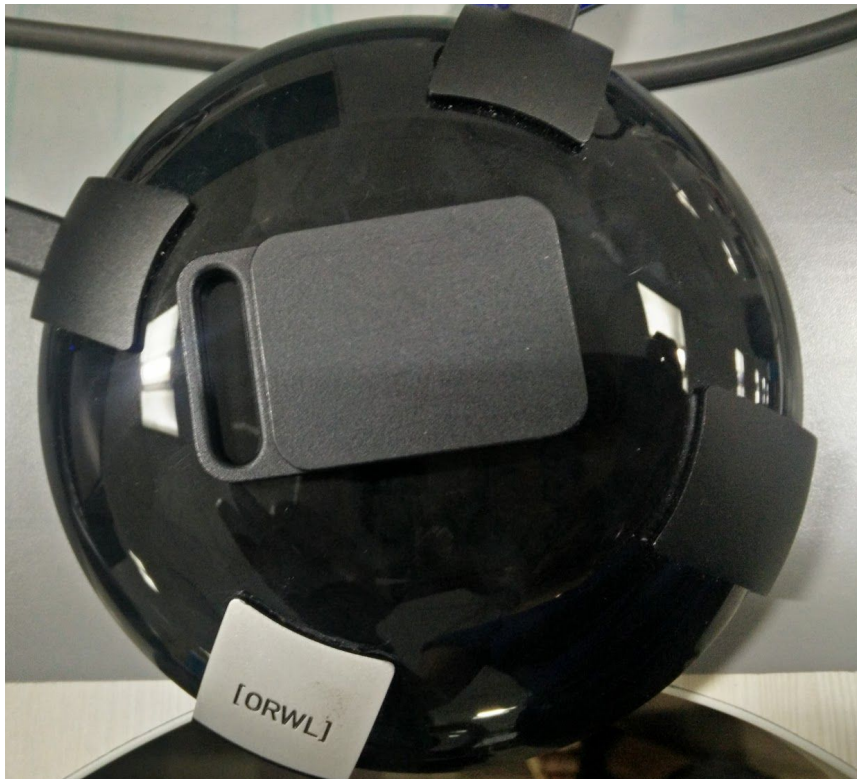


Step 16: Display Pair Keyfob message

A message "Pair Keyfob to associate" is displayed.

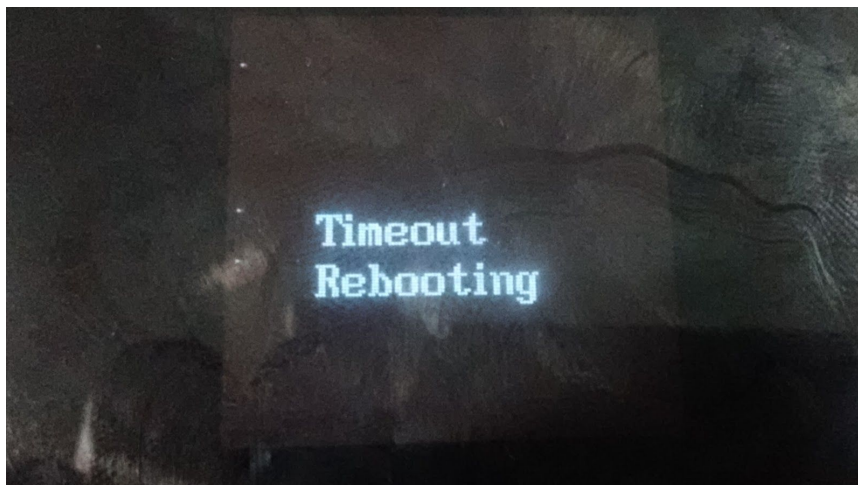
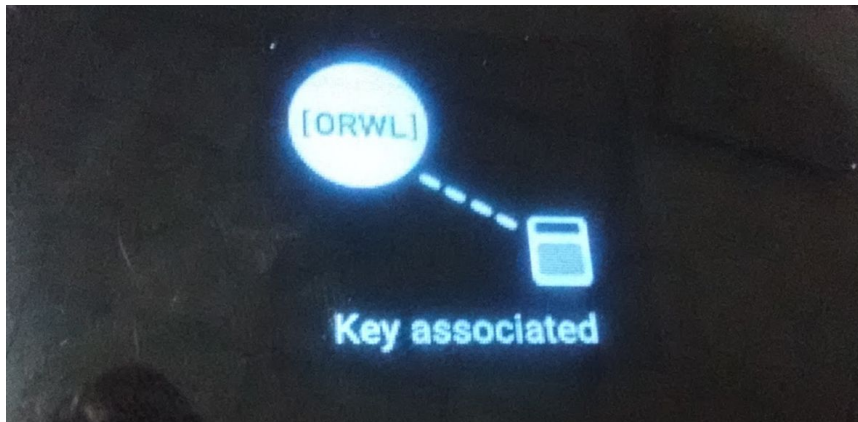
**Step 17: Present Keyfob to ORWL**

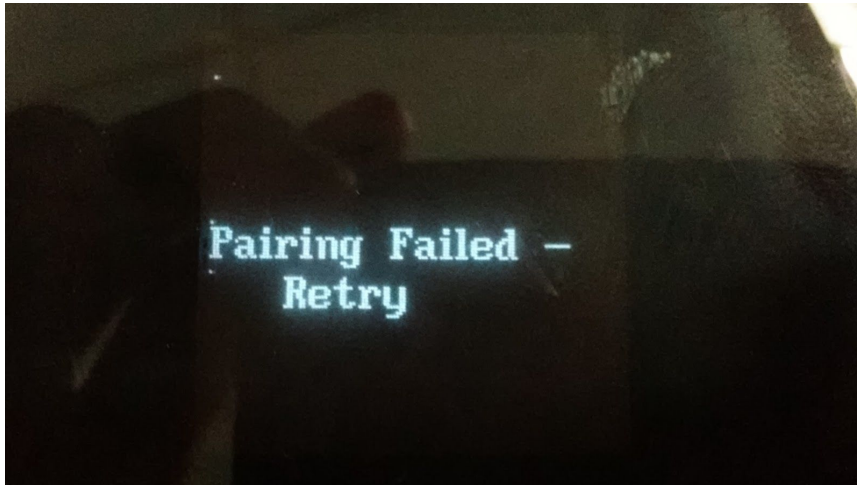
Present a keyfob to ORWL to proceed with the association process of keyfob with ORWL.



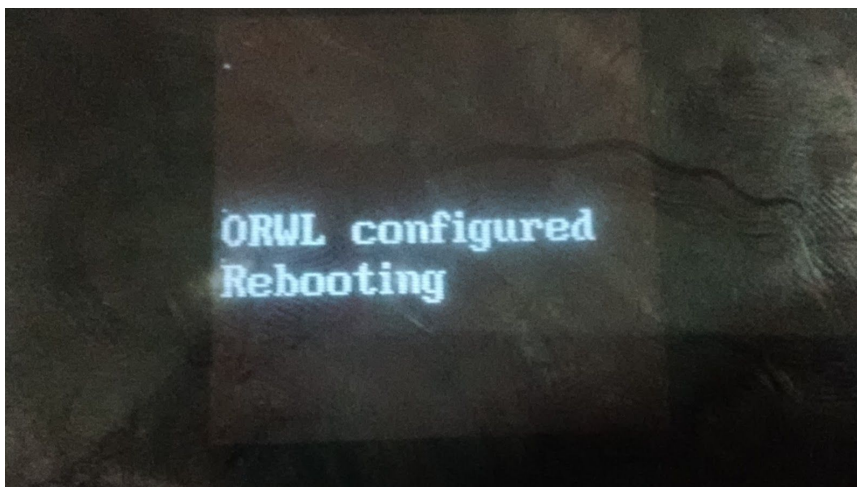
Step 18: Display Keyfob association status

On successful association, an association image is shown for ten seconds and flow continues with next step. If association does not happen in 120 sec, "Timeout Rebooting" message is displayed and flow will be restarted from step 2. If association failed, then "Pairing Failed - Retry" message will be displayed and the association process will be tried again by ORWL.



**Step 19: Display completion of configuration status**

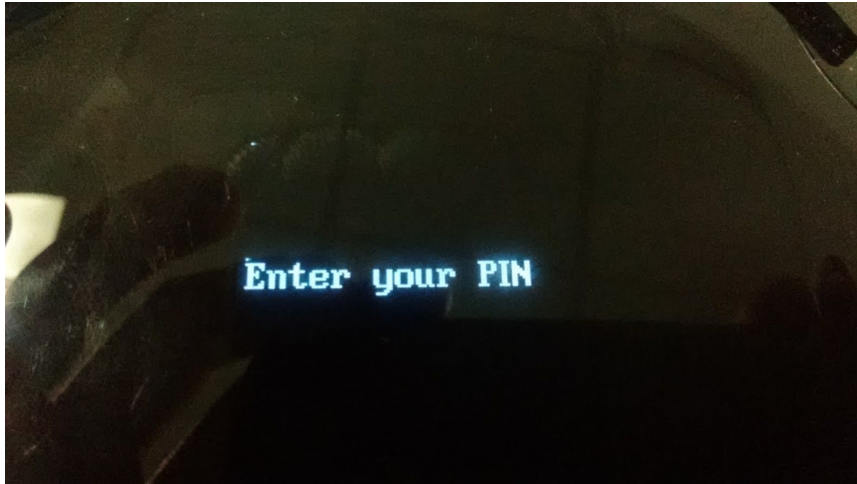
On completion of ORWL configuration, message "ORWL configured Rebooting" is displayed. Now ORWL is configured and it is in user mode.

**4. PIN verification steps after custom reboot**

Following are the steps to be followed for custom reboot only if the custom PIN is already set by the user.

Step 20: Display verify user PIN message

A message "Enter your PIN" is displayed for three seconds.

**Step 21: Press power button on the ORWL**

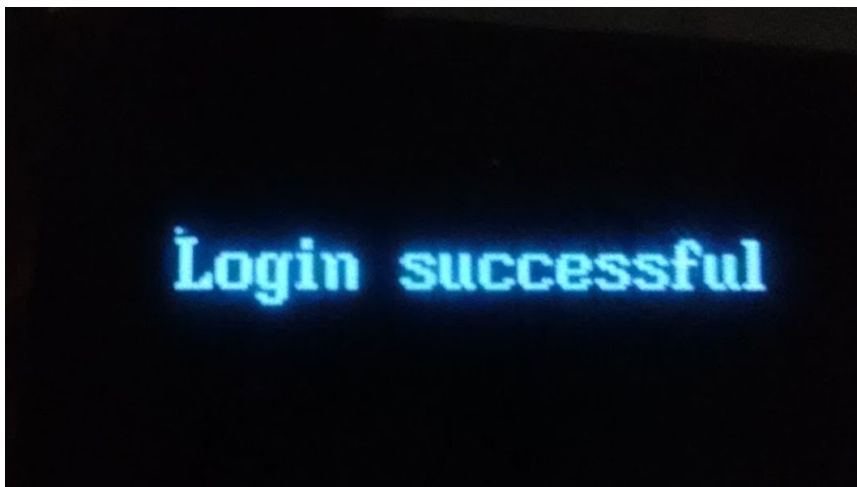
This is same as step 3 to proceed with next step.

Step 22: Enter custom PIN

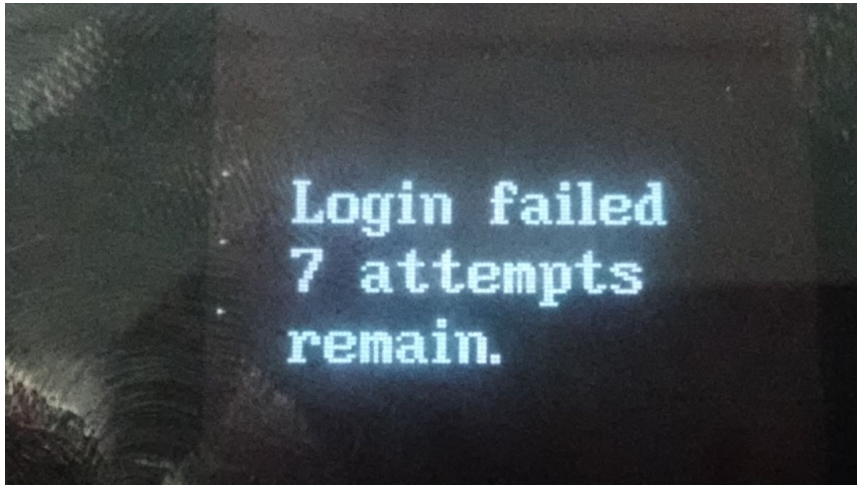
Enter the 6-digit custom PIN which is configured by user to verify the user. The UI is same as figure displayed in step 4.

Step 23: User pin verification status

If user PIN verification is successful, "Login successful" message is displayed for three seconds and flow will proceed with step 13.



Otherwise, "Login failed X attempts remain." message is displayed and flow will be started again from step 20. X in this case indicates the number of attempts remaining.



If retry count of 10 is already tried, then a message "ORWL LOCKED !!!" will be displayed and the device needs to be sent to factory for unlocking it.

