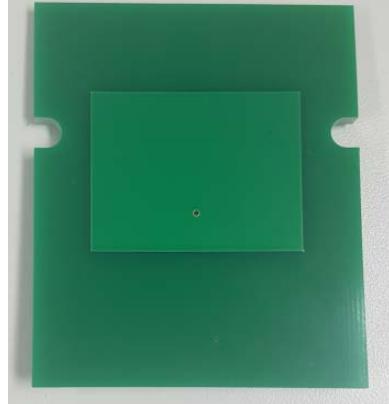


# IS2540XSR and IS2541XSR Manual

## Intro

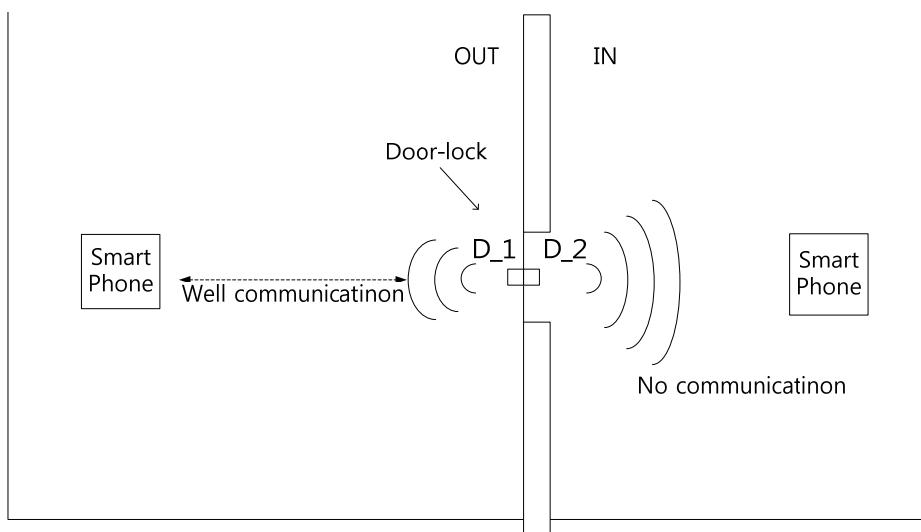
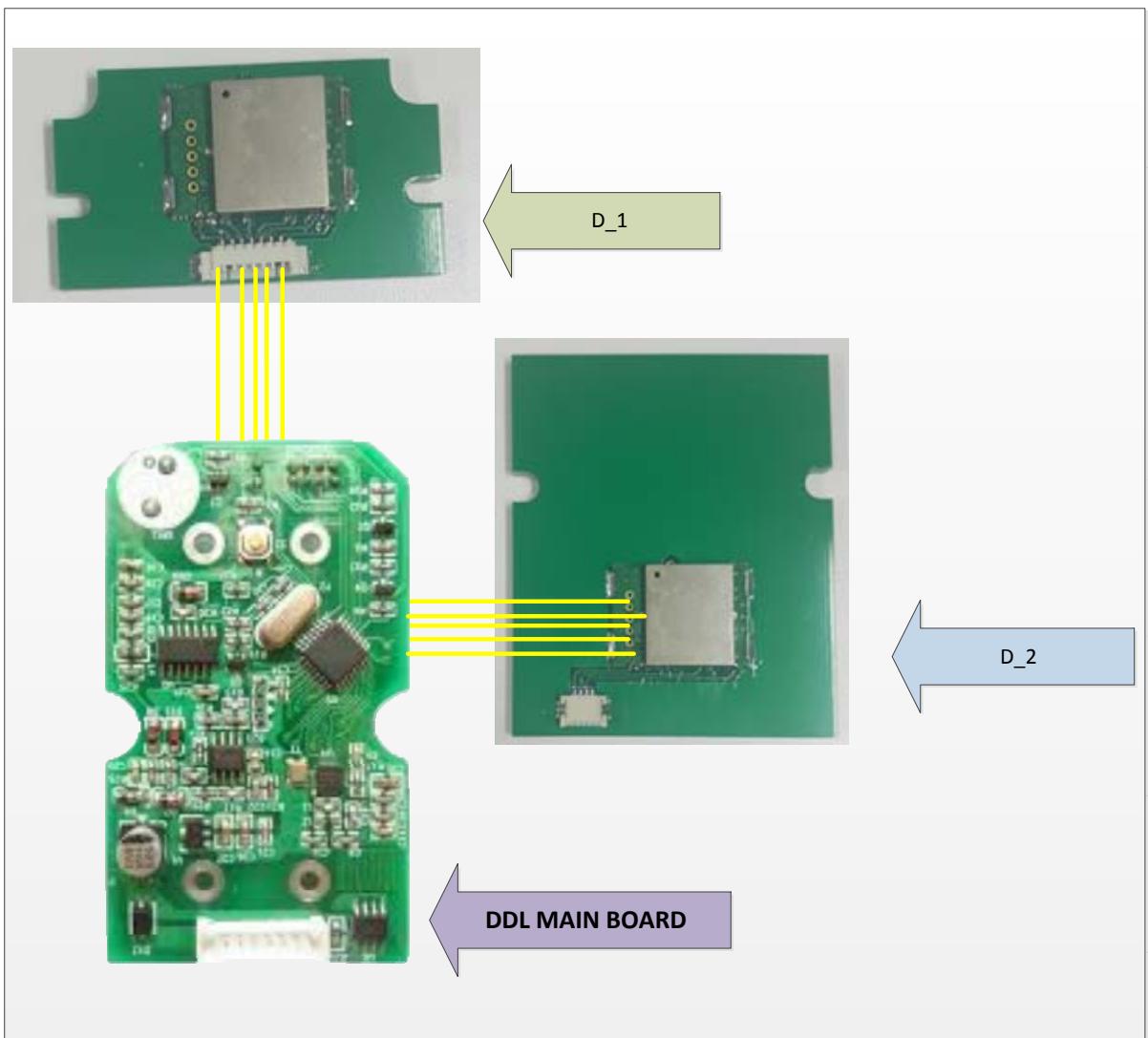
IS2540XSR and IS2541XSR BLE Modules are developed to implement wireless communication possible only at outside of door for a Digital Door Lock(DDL) system.

## Module configuration

D_1 : IS2540XSR with Antenna	D_2 : IS2541XSR with Antenna
 Back view	 Back view
 Front view	 Front view

D1 and D2 cannot work standalone. They need to be controlled by main MCU on digital doorlock main board.

## How to connect to DDL Main board and how it works



When people touched doorlock Main board wakes D\_1 to transmit BLE signal to the front. At the same time D\_1 send a signal to D\_2 to transmit a different signal to disturb smartphone to get normal BLE signal at the back side of DDL.

D\_1 is just normal BLE module. D\_2 is just making a RF signal when D\_1 transmit any RF signal.

In the data point of view, D\_1 just transfer the date from smart phone to DDL Main Board only after D\_1 and Smartphone have made BLE connection.