

# DA14681 Wearable Development Kit Quick Starting Guide

Dialog Wearables  
By Dialog Semiconductor  
Open iTunes to buy and download apps.



**Description**  
The SmartBond™ Wearable Development Kit has  
**Dialog Semiconductor**  
**Screenshots**

Install the Dialog Wearables mobile app from PlayStore/App store

1



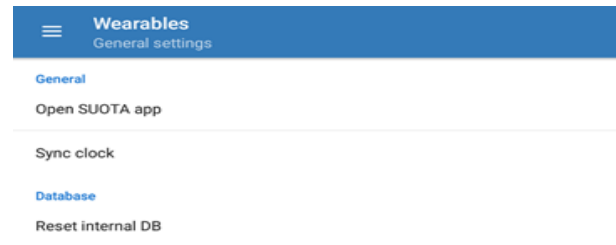
Make sure your device is switched on

2



Run the app on your mobile device and use the Scan screen to select and connect your wearable device

3



Select 'General Settings' from the app's menu and 'Sync clock' to update Wearable's date/time

4

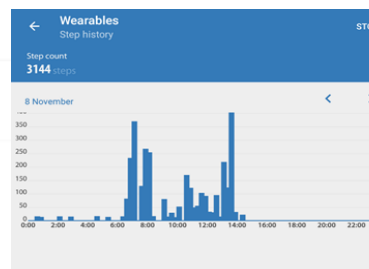


Select 'Health Settings' from the app's menu to set your profile's parameters (age, height, etc.)

5



Upon successful connection the health dashboard screen appears. This screen illustrates live health counters of the current day for steps, calories burned, total time of light and deep sleep and the latest captured sample of heart rate service.



By tapping on each counter, the application screen will switch to the respective historical data representation screen.

6



**Time/Date:** To change time press the mechanical button. Hour's text will start blinking. User can change time by swiping the finger over touch pad. User can change minutes by pressing the button again. The screen exits "time setup" mode if the button is pressed again.



**Alarm:** Alarm is also set in a way similar to Time. On the first button press the alarm icon starts blinking. The alarm is enabled / disabled by swiping the finger on touch pad while the icon is blinking. The corresponding icon gets visible when alarm is enabled and invisible when disabled. Alarm time can be set as described earlier for the time screen.



**NFC:** Pressing the mechanical button switches on/off the NFC. Contactless operation can be demonstrated by approaching the device to an NFC reader.



**Heart rate:** To get a heart rate sample the user must place the wearable on his wrist in the way it is demonstrated in the following picture. Then the mechanical button must be pressed. The heart rate indication will turn into 0 and will start blinking. The HRM sensor takes 20 seconds before it can show a valid measurement. User must keep his hand still during this period. The Heart Rate sample will be displayed on the screen at the end of this period. The sampling will go on until the user presses the button again to disable it. The Green LEDs at the back of the device should blink while the heart rate sampling is enabled



**Steps:** The step counting operation is enabled by default. The user can disable it by pressing the button. When step counting is disabled counter resets. If the user keeps the button pressed for 3 seconds the step counter also resets.



**Calories:** The user can disable/enable it by pressing the button. When Calories counting is disabled counter resets. If the user keeps the button pressed for 3 seconds the Calories counting also resets.



**Light/deep sleep:** Light/Deep Sleep operation is disabled by default. The user can enable it by pressing the button. When Light/Deep Sleep is disabled counter resets. If the user keeps the button pressed for 3 seconds the Light/Deep Sleep also resets.



**Environmental sensors:** Temperature - Humidity - Pressure  
The data of these environmental sensors are displayed when the user switches to the corresponding screen.

Important notes:

- The device needs to be switched on to enable charging
- Operation is highly effected under increased humidity
- Avoid connecting different Wearables to the same mobile device. If needed, Reset DB should be selected to avoid data mix-up.