

XR1 HDK

User Manual

Ver. A



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Included Items

HDK Board	Battery
Model Name: XR1 HDK	Purpose: Power Source
	Lohan Barthery 1880 Rot XRI HOK Cett Japan cett 1950 Date odde 1943



Function Block

Power on for HDK

- Plug in the Battery Pack
- Press Power Switch

Type C connective

- USB 3.1
- USB Charging / DP function
- USB 2.0
- USB OTG support

Micro HDMI connective

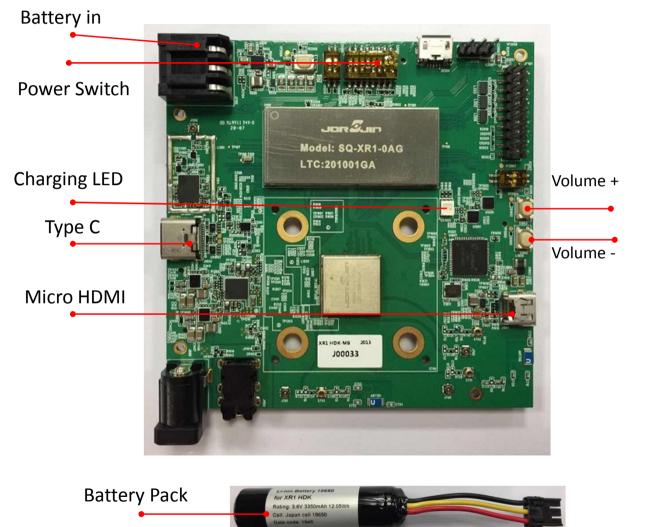
• External HDMI display

Volume control

- + HIGH
- - LOW

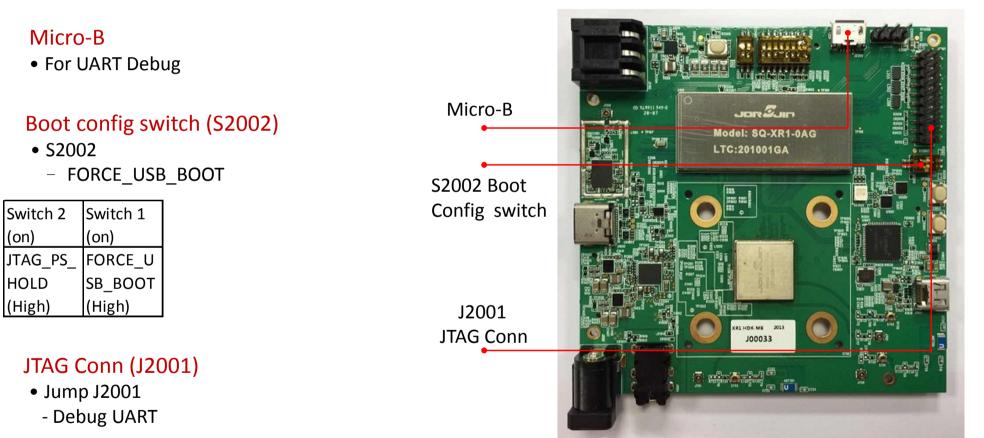
Battery Charging LED

- Green (90%~100%)
 - Full battery
- Lite Green (50%~ 90%)
 - Charging active I
- Lite Red (30%~ 50%)
 - Charging active
- Red (2%~30%)
 - No battery power





Function Block





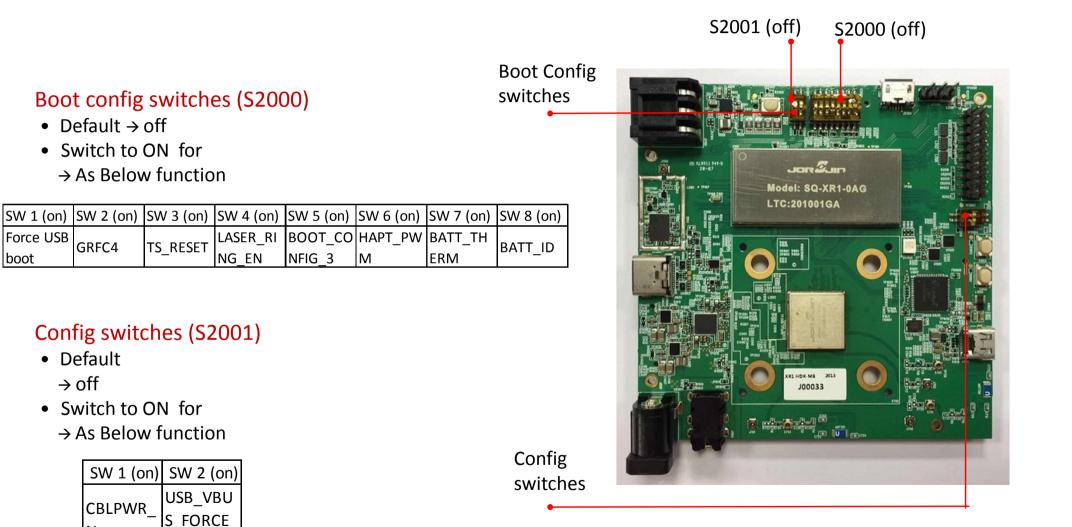
Force USB

Ν

D BYPASS

boot

Config Switch





Config Jumper

UART jumper 3 PIN

• Debug UART

UART Jumper

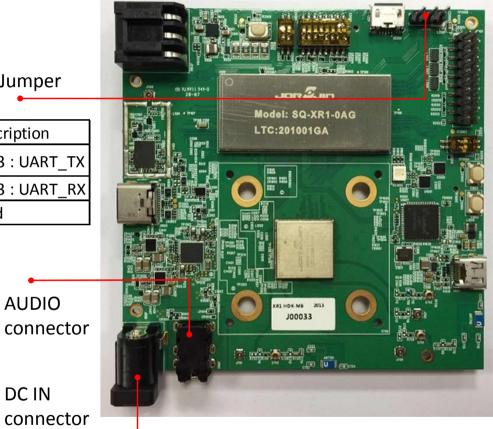
Pin Number	Pin Name	Alt-Function	Туре	Function Description
J2000-I01	USB_UART_TX	GPIO_51	D1	QUP 12, lane 3 : UART_TX
J2000-I02	USB_UART_RX	GPIO_52	D0	QUP 12, lane 3 : UART_RX
Power Groun	Power Ground	Power Ground	Power G	Power Ground

Audio connector (3.5mm)

- Speaker out
- MIC

DC in connector

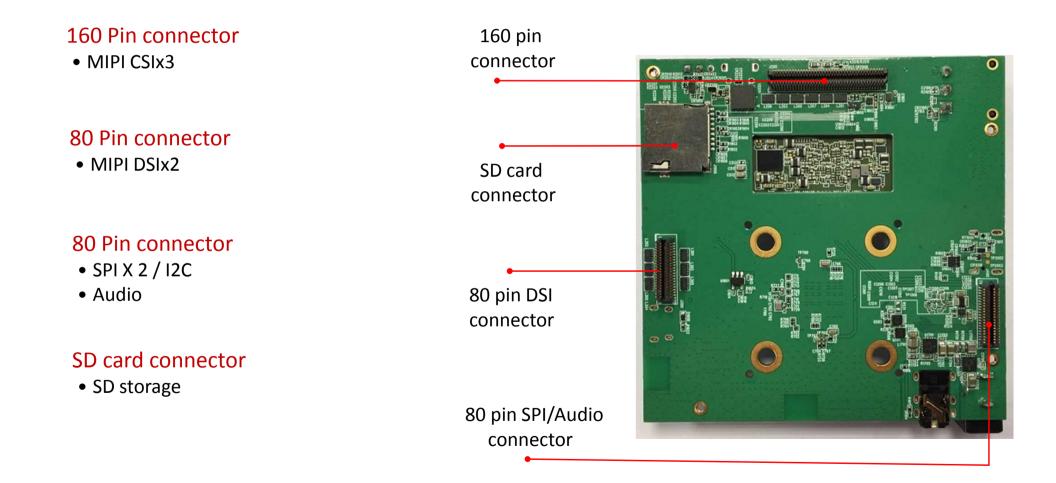
• 12V / 3A Battery charging from DC adaptor



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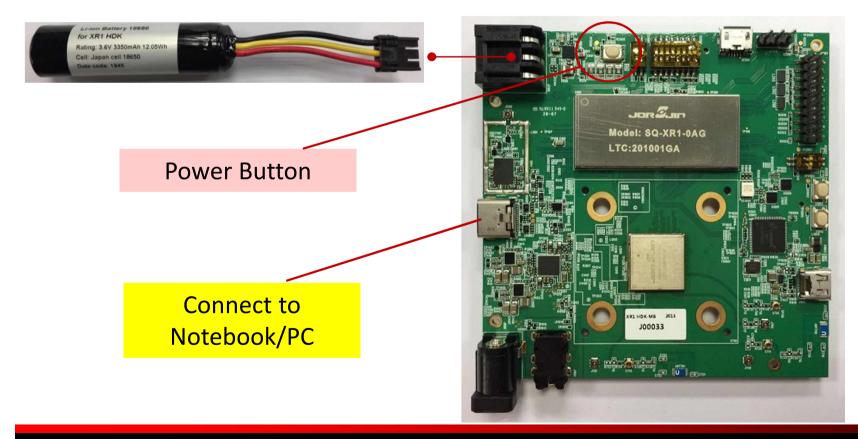
Extension Connectors





Turn On

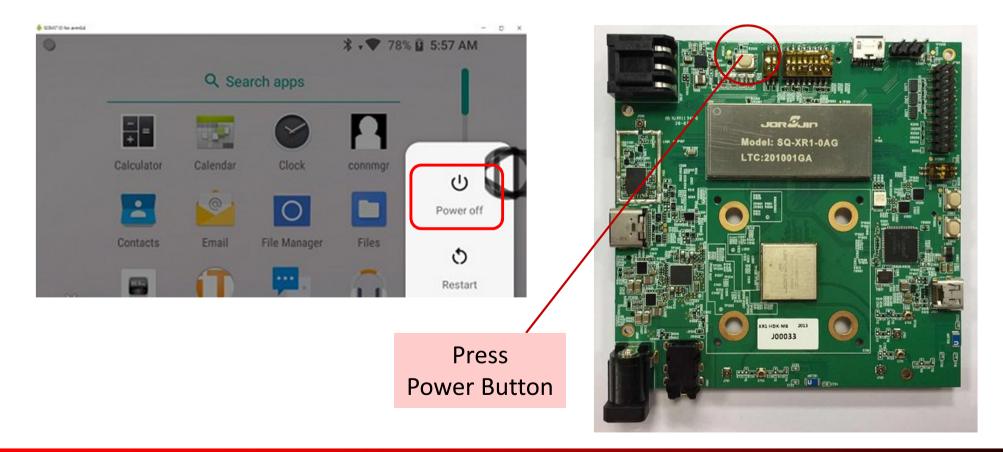
- 1. Connect the battery to battery jack.
- 2. Press the power button around 2 seconds to turn on the system.
- 3. Connect Type-C cable to Notebook or PC.
- 4. Run ADB's scrcpy.exe program. press Power Button when screen off.





Turn Off

Long press the power button around 2 seconds to turn off the system. You can see the power off menu as the Android following picture. Choose "Power off" to shut down the device.



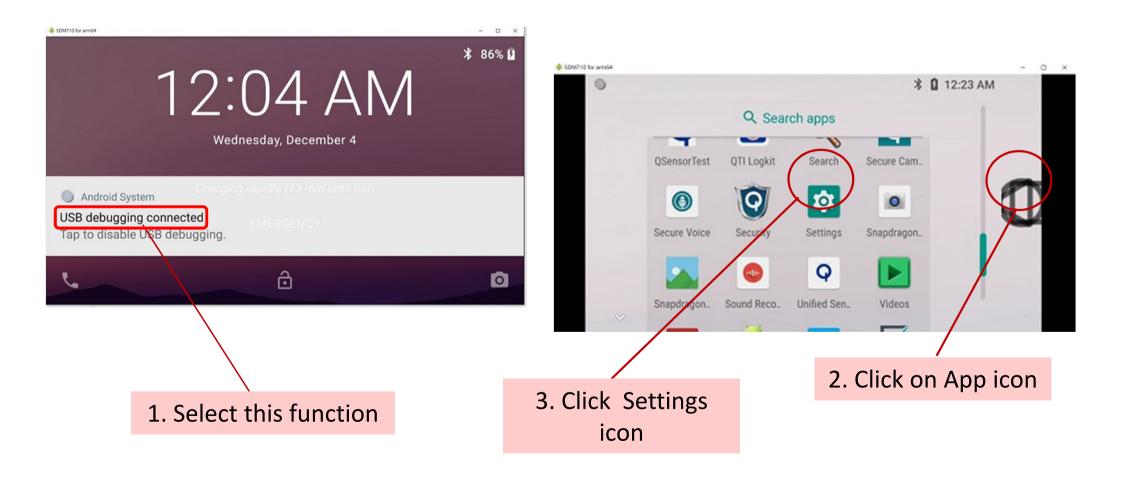
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Go to App setting

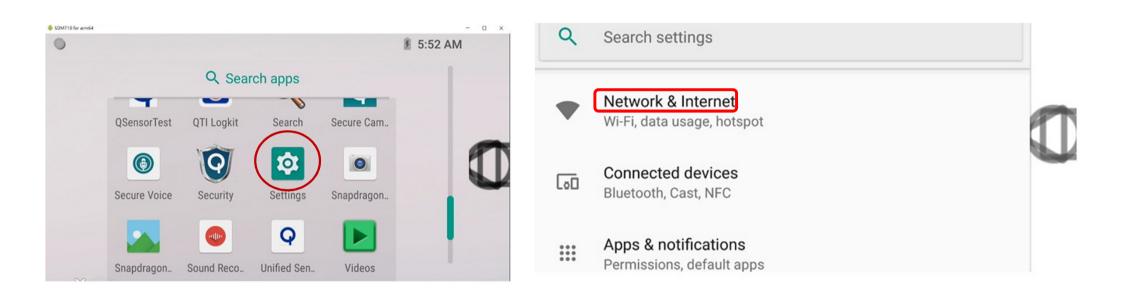
Select "USB debugging connected", Enter App icon to select Settings function.





Connect to WiFi

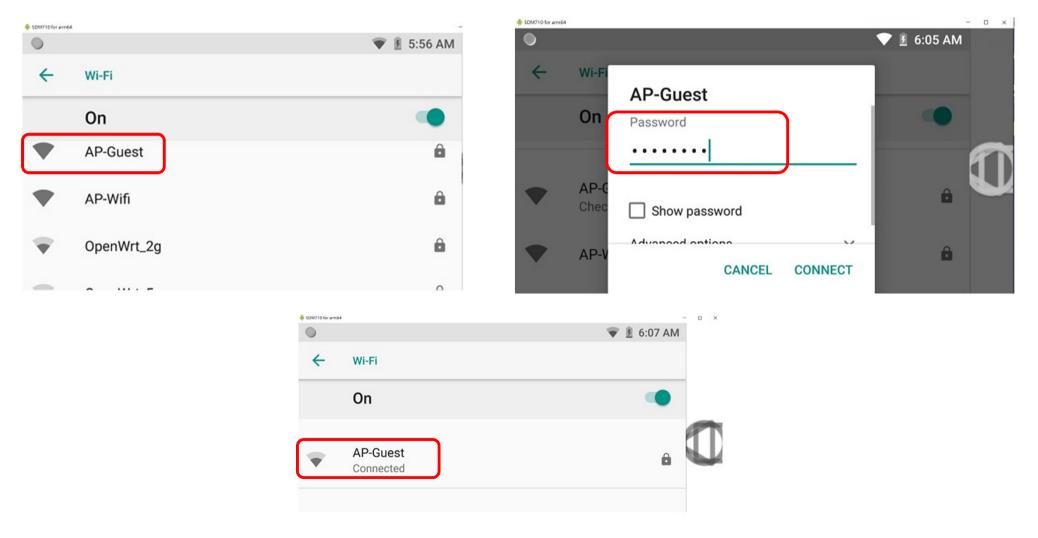
Settings > Network & Internet





Connect to WiFi

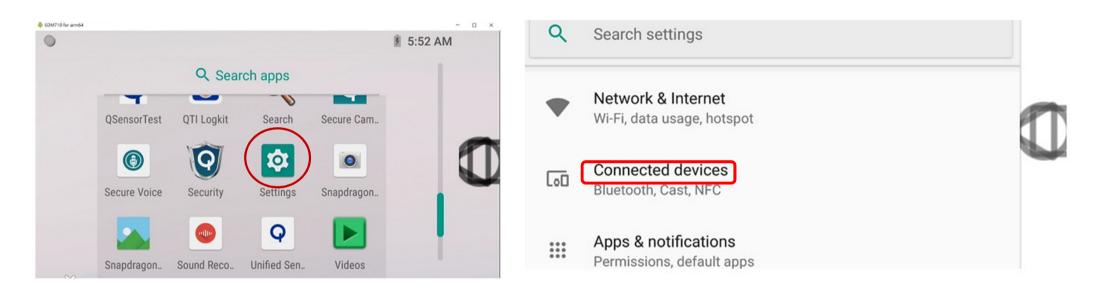
On > Password > Connected





Setup Bluetooth Function

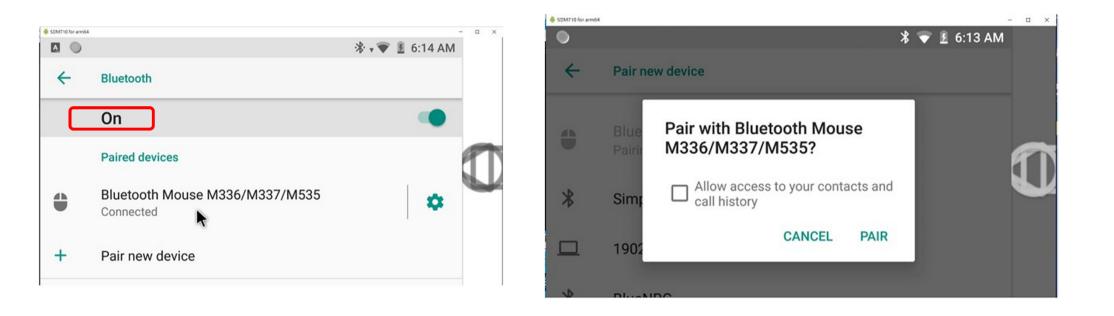
Settings > Connect devices





Setup Bluetooth Function

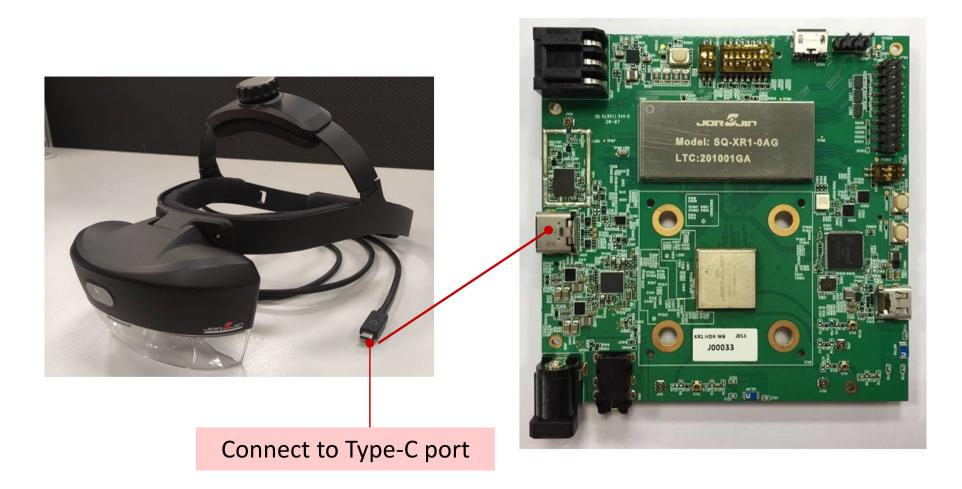
Bluetooth > On > Connected





Connect to Smart Glasses

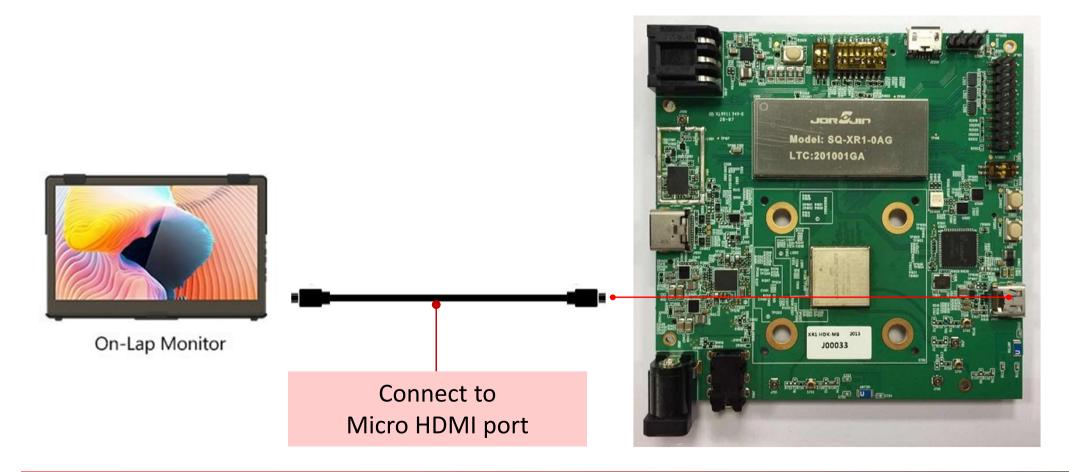
Smart glasses devices > Connect to Type-C port





Connect to Micro HDMI

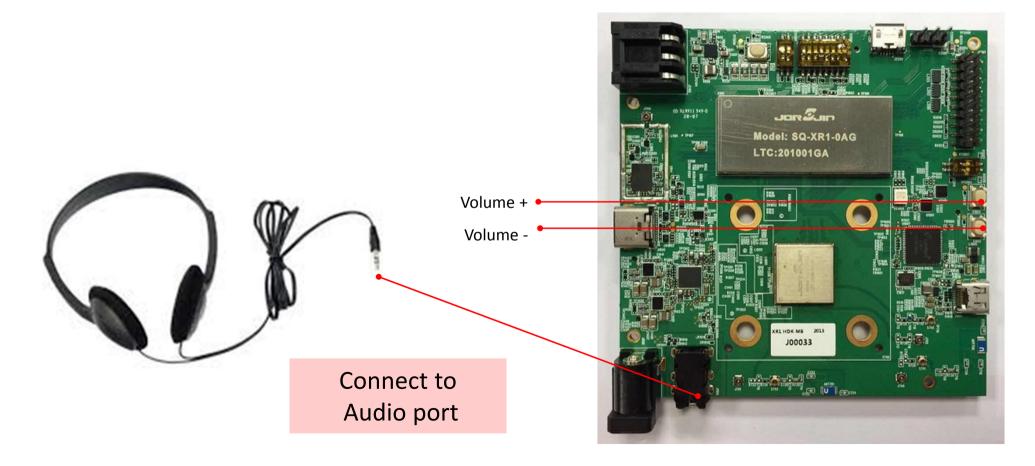
HDMI devices > Connect to Micro HDMI port





Connect to Headset

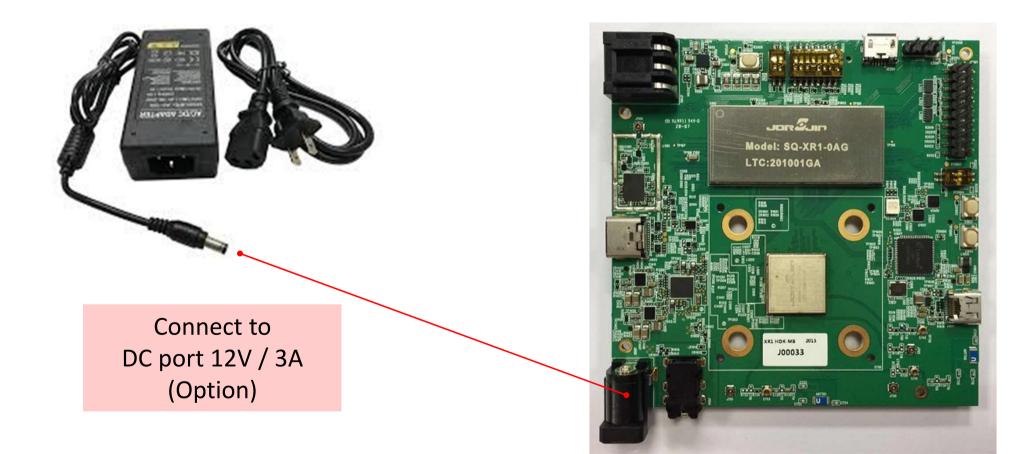
Audio devices > Connect to Audio port





Connect to DC Adapter

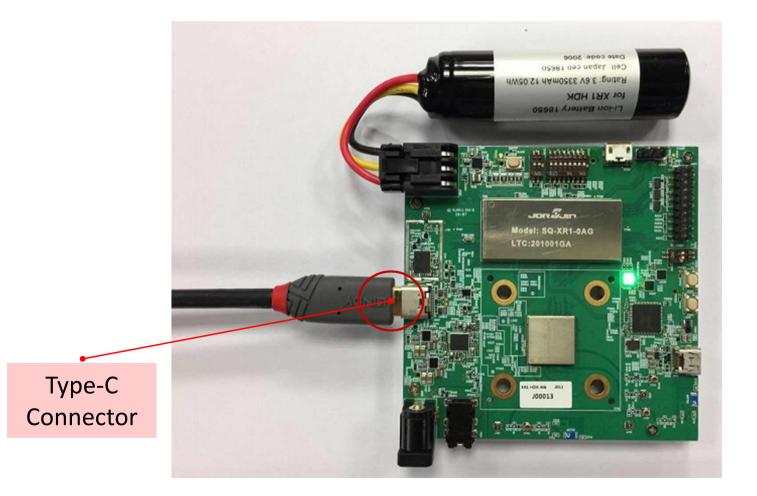
DC PWR devices > Connect DC adapter to DC-IN port





Charging the Battery

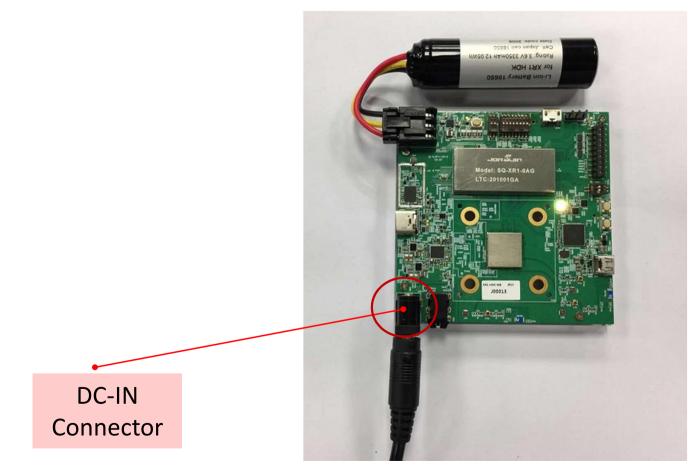
Option 1. **Type-C** : Connect w / Type-C cable





Charging the Battery

Option 2. **DC jack** : Connect w / DC Adapter



Note:

USB-C DP mode temporarily not functional in this configuration



Reminder for charging

- **1. Priority**: only one of Type-C or DC charger can be chosen for charging. When using DC charger, Type-C supports data output only (not DP mode)
- 2. Limitation: If the battery is over discharged (voltage <2.5V), the system can only boot up with Type-C and must be charged by USB until it reaches the safe value of 3.2V.</p>
- 3. Limitation: DP mode can temporarily be only supported when device is powered from the battery.



Control Device by Vysor

Vysor lets you view your Android-based device from your desktop computer. Vysor mirrors the display image of the Android device. It helps developers to view and debug their Android devices more easily.

