

XR1 HDK

User Manual

Ver. A



1



Contents

Included items	3
Functions	4
Config switch	5
Config Jump	7
Extension connector	8
Turn On	9
Go to App setting	10
Connect to WiFi	12
Setup Bluetooth Function	14
Connect to Smart Glasses	16
Connect to Micro HDMI	17
Connect to Headset	18

Connect to DC Adapter	19
Charging the Battery	20
Control Device by Vysor	23



Included Items

HDK Board	Battery
Model Name: XR1 HDK	Purpose: Power Source
	As XRI HOK Pang 304 330mAh 12.05Wh Cet: Japan cell 1960 Dels colds: 1945



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

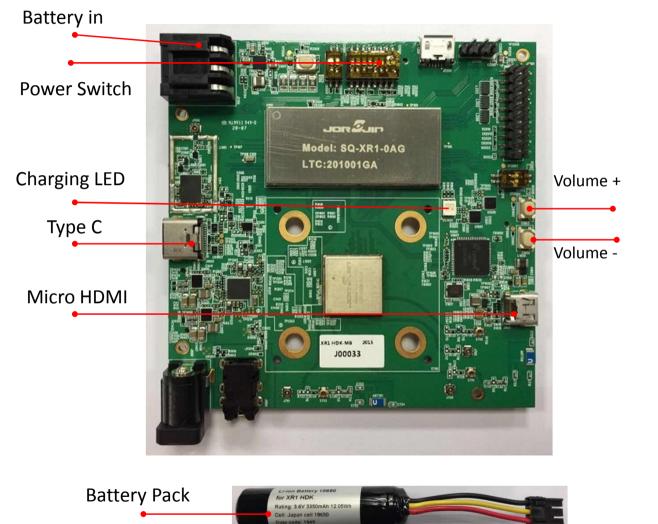
• External HDMI display

Volume control

- + HIGH
- - LOW

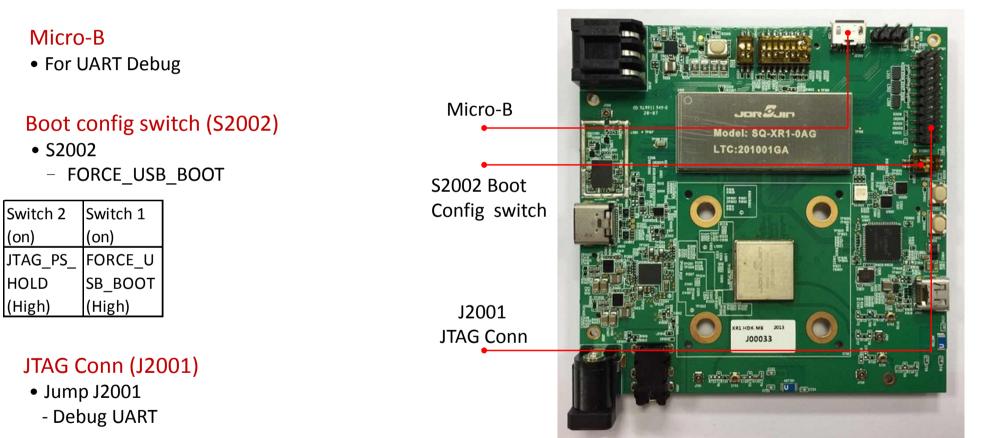
Battery Charging LED

- 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





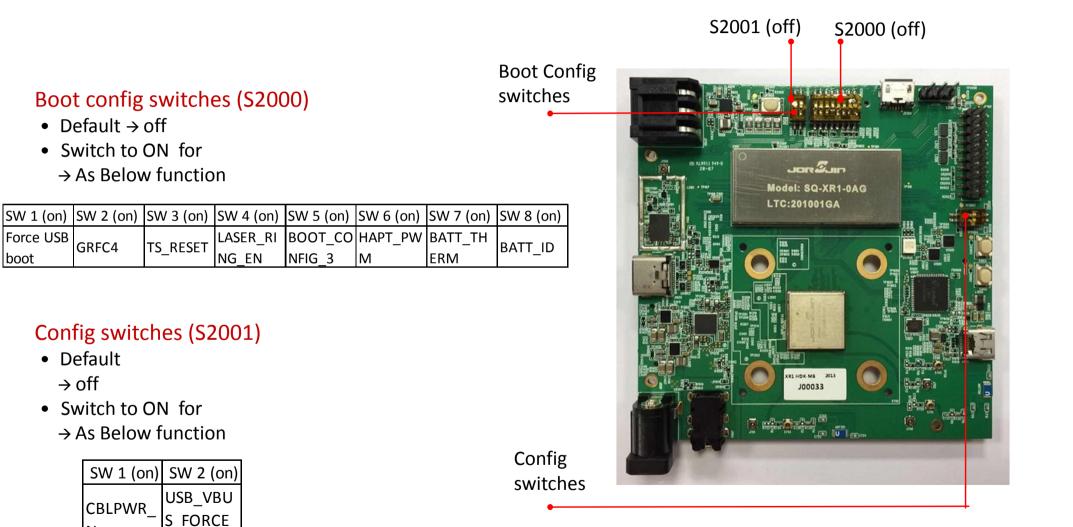
Force USB

Ν

D BYPASS

boot

Config Switch





Config Jumper

UART jumper 3 PIN

• Debug UART

UART Jumper

connector

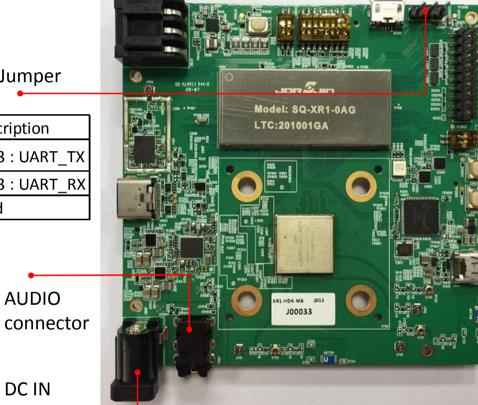
Pin Number	Pin Name	Alt-Function	Туре	Function Description
J2000-I01	USB_UART_TX	GPIO_51	D1	QUP 12, lane 3 : UART_TX
J2000-I02	USB_UART_RX	GPIO_52	D0	QUP 12, lane 3 : UART_RX
Power Groun	Power Ground	Power Ground	Power G	Power Ground

Audio connector (3.5mm)

- Speaker out
- MIC

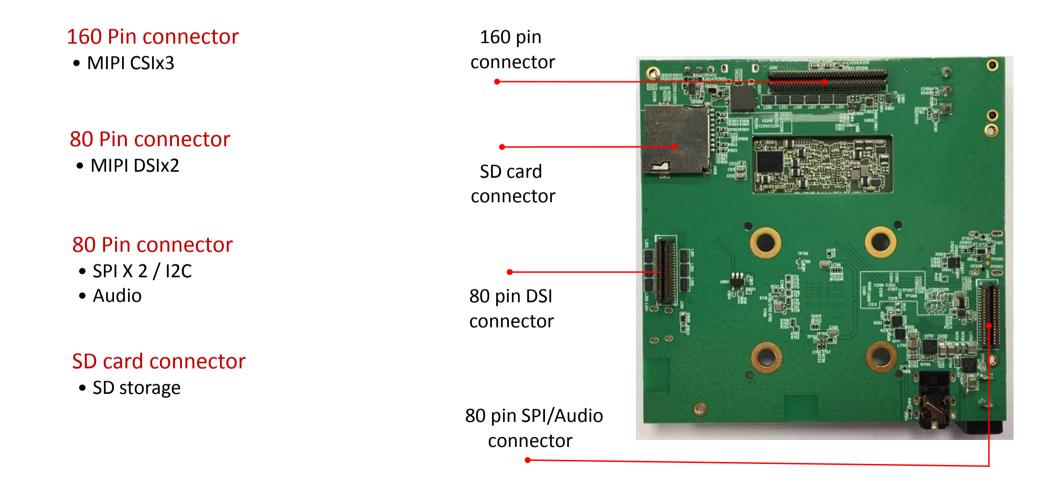
DC in connector

• 12V / 3A Battery charging from DC adaptor





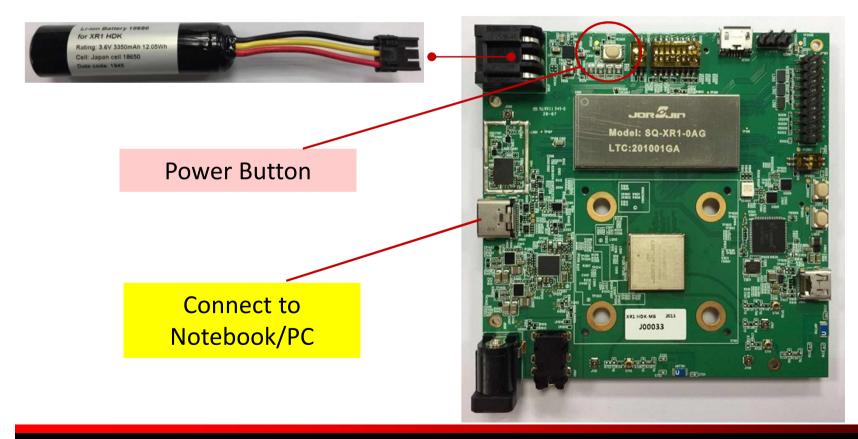
Extension Connectors





Turn On

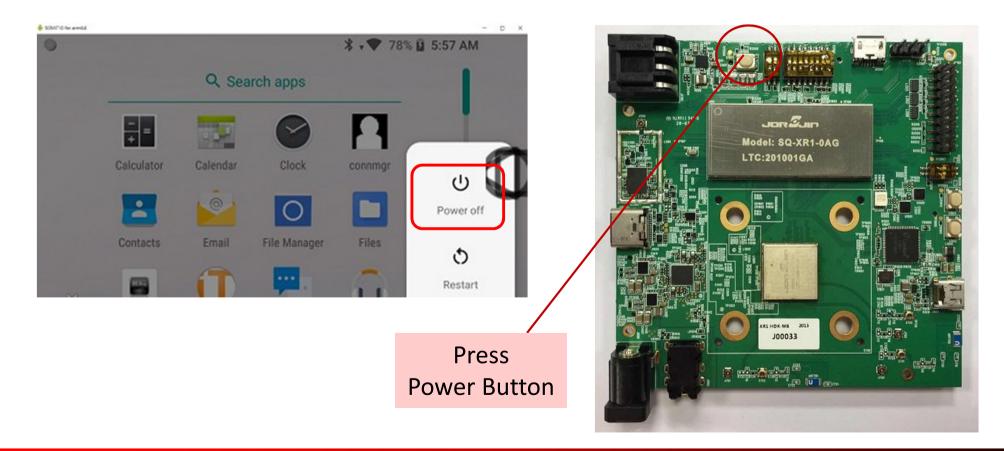
- 1. Connect the battery to battery jack.
- 2. Press the power button around 2 seconds to turn on the system.
- 3. Connect Type-C cable to Notebook or PC.
- 4. Run ADB's scrcpy.exe program. press Power Button when screen off.





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.



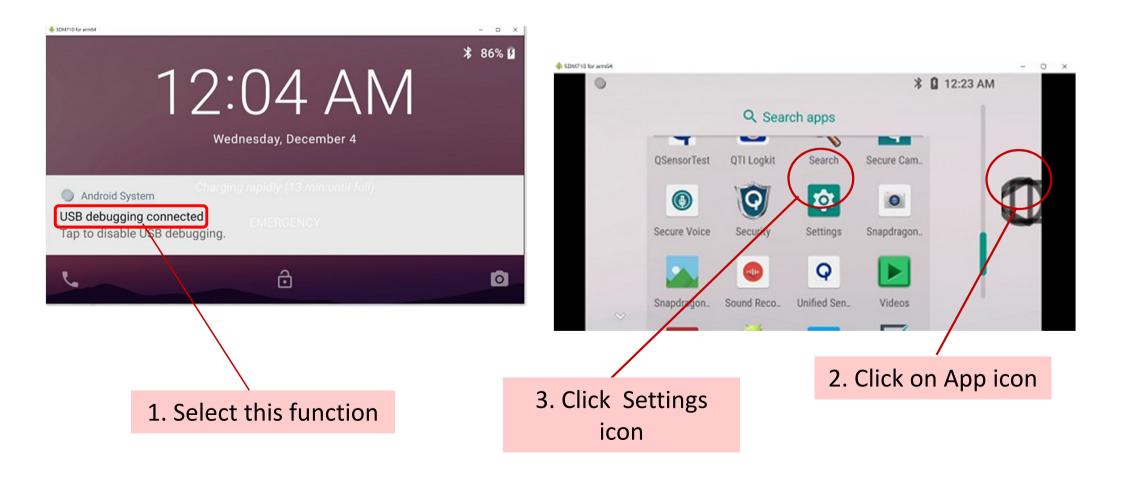
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Go to App setting

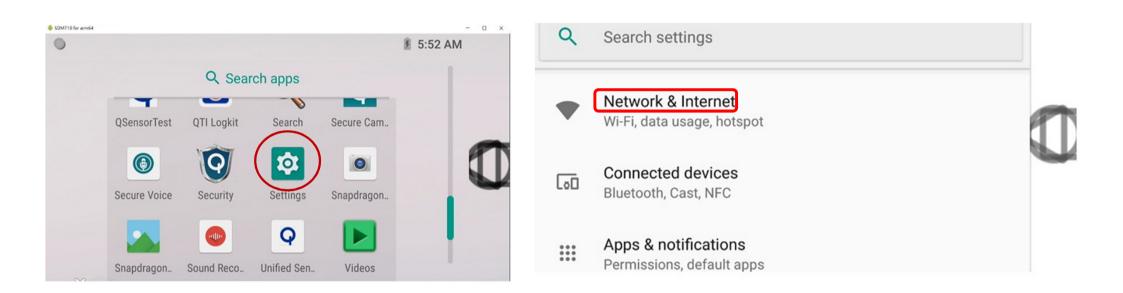
Select "USB debugging connected", Enter App icon to select Settings function.





Connect to WiFi

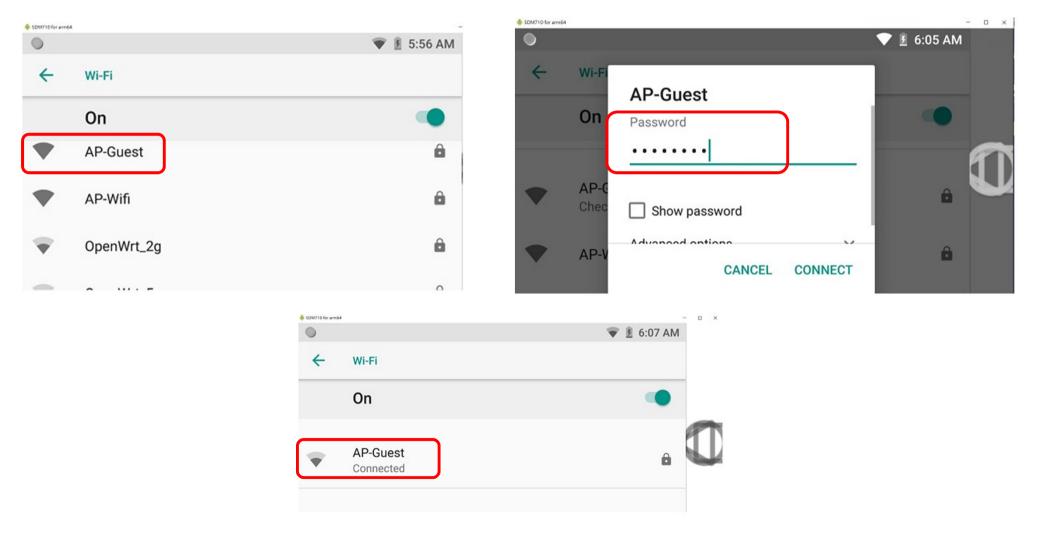
Settings > Network & Internet





Connect to WiFi

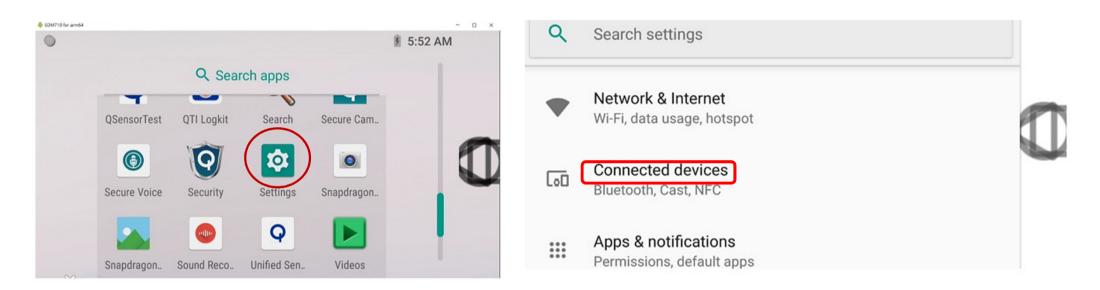
On > Password > Connected





Setup Bluetooth Function

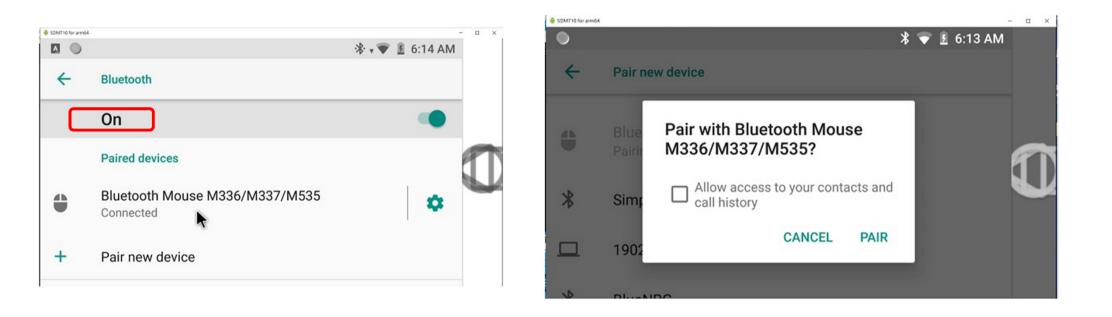
Settings > Connect devices





a module solution provider Setup Bluetooth Function

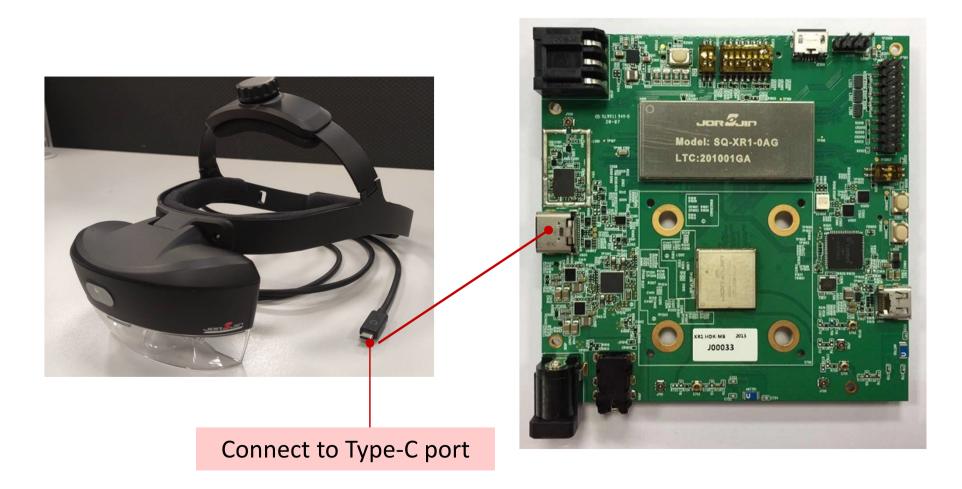
Bluetooth > On > Connected





Connect to Smart Glasses

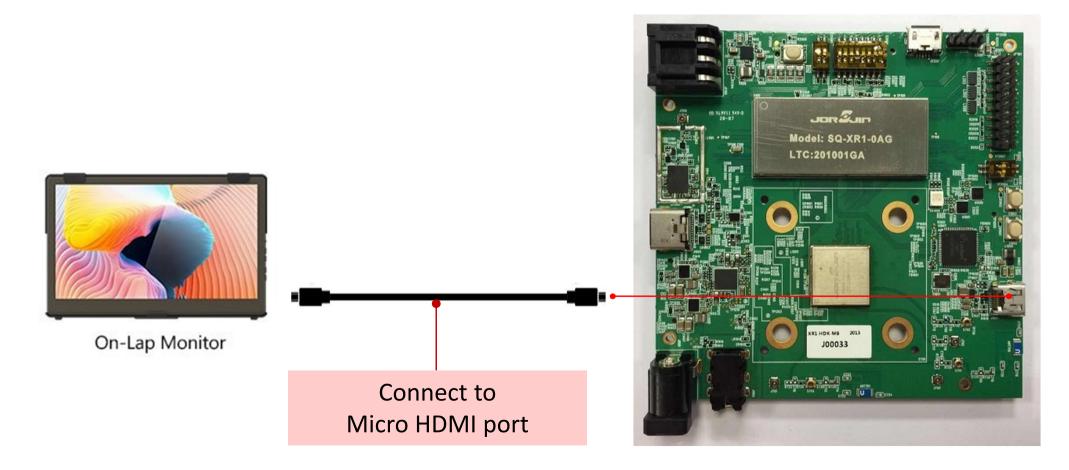
Smart glasses devices > Connect to Type-C port





Connect to Micro HDMI

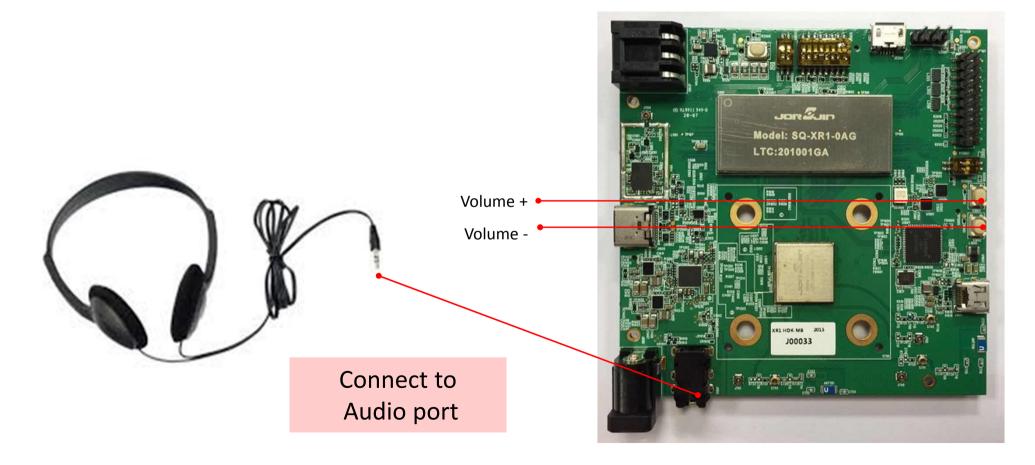
HDMI devices > Connect to Micro HDMI port





Connect to Headset

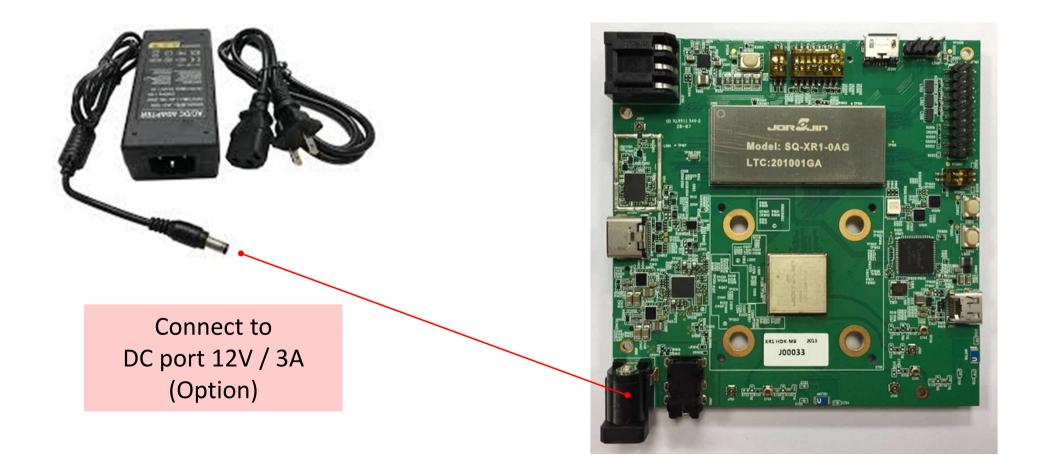
Audio devices > Connect to Audio port





Connect to DC Adapter

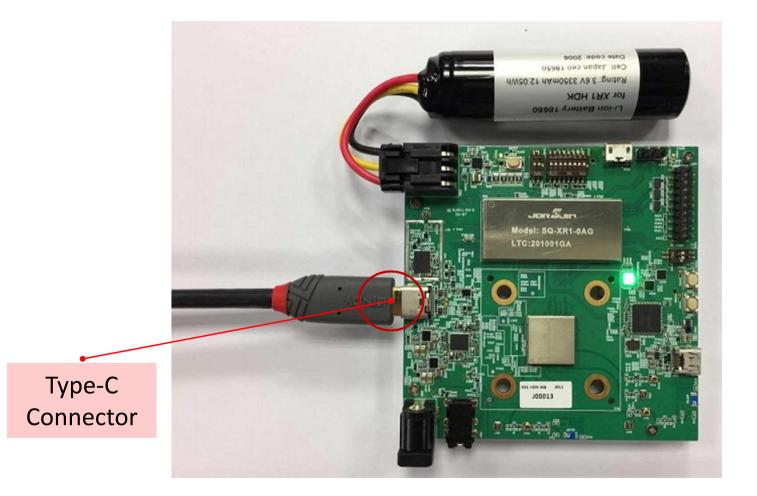
DC PWR devices > Connect DC adapter to DC-IN port





Charging the Battery

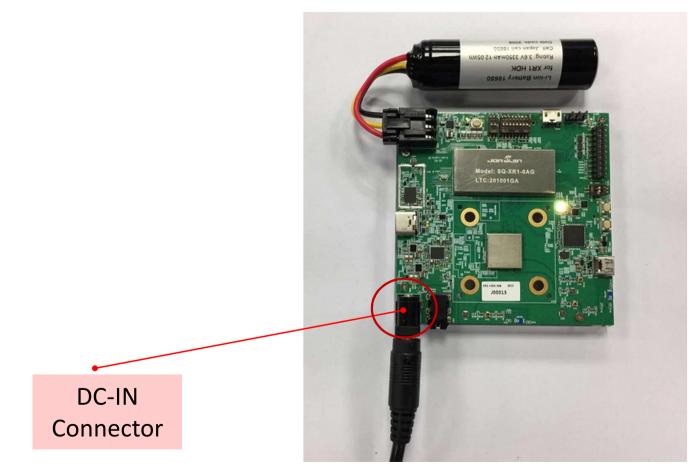
Option 1. **Type-C** : Connect w / Type-C cable





Charging the Battery

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



Note:

USB-C DP mode temporarily not functional in this configuration



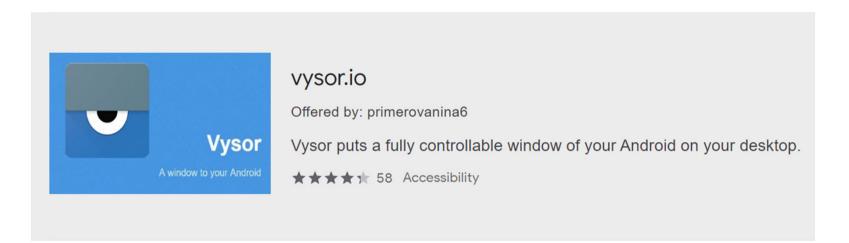
Reminder for charging

- **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.



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