

XR1 HDK

User Manual

Ver. A



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Included Items

HDK Board	Battery
Model Name: XR1 HDK	Purpose: Power Source
	Liveor Bartery 1860 Rodg 3 SV 335mAh 12 OSVIN Cell Japan cell 1860 Date cods 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

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.

