

AYN Odin Pro

AYN Odin Pro Retro Game Handheld Instruction Manual

Model: Odin Pro

Brand: AYN

1. INTRODUCTION AND OVERVIEW

The AYN Odin Pro is an Android-powered handheld game console designed for a versatile gaming experience. It features a 6-inch 1080p display, built-in game controllers, and active cooling for sustained performance. Running on Android 10 with a Qualcomm Snapdragon 845 processor, it supports a wide range of applications and emulators through the Google Play Store. This manual provides essential information for setting up, operating, and maintaining your Odin Pro handheld.



Figure 1.1: AYN Odin Pro Handheld Console

2. WHAT'S IN THE BOX

Upon unboxing your AYN Odin Pro, please ensure all components are present:

- AYN Odin Pro Game Console
- USB Type-C Charging Cable
- User Manual (this document)

Packing List



Figure 2.1: AYN Odin Pro Package Contents

3. PRODUCT FEATURES

The AYN Odin Pro is equipped with advanced features for an optimal portable gaming experience:

- **Powerful Processor:** Qualcomm Snapdragon 845 for high-performance gaming and multitasking.
- **Vibrant Display:** 6-inch FHD 1080p LCD screen for crisp visuals.
- **Active Cooling:** Integrated fans to maintain optimal operating temperatures during extended use.
- **Comprehensive Controls:** Built-in action buttons, D-pad, analog sticks, and analog trigger buttons.
- **Android Operating System:** Runs Android 10 with full support for the Google Play Store, allowing access to a vast library of apps and games.
- **Connectivity:** Supports WiFi 5 and Bluetooth 5.2 for seamless wireless connections.
- **Long-lasting Battery:** Equipped with a 6600mAh battery for extended playtime.
- **Storage:** 128GB internal storage for your games and applications.

ODIN

The Ultimate Gaming Handheld



Figure 3.1: Key Features of the Odin Pro

Operating System Details

All versions of Odin fully support Project Treble. Feel like trying out another GSI-compatible Android ROM Effortlessly flash a new ROM to the device, and you will still have access to all our custom software.

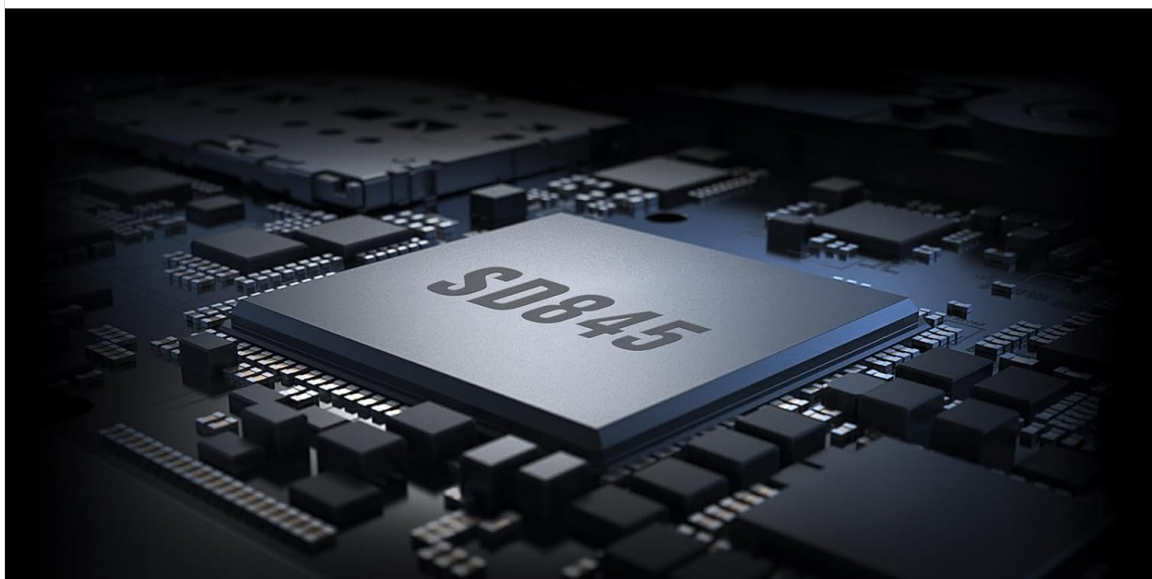


Figure 3.2: Operating System Details

Game Launcher

Customize the interface to create a personalized and exclusive page.

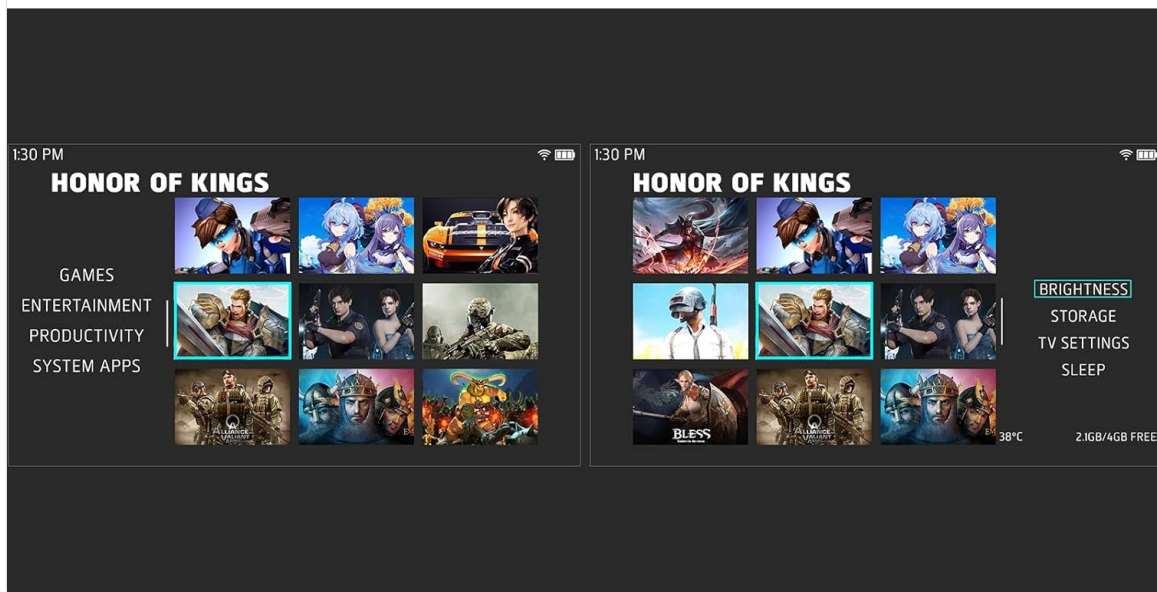


Figure 3.3: Customizable Game Launcher

Screen Mapping

Built-in popular game mapping configuration, easy to operate in a few steps, adaptively matching the best game operation layout.

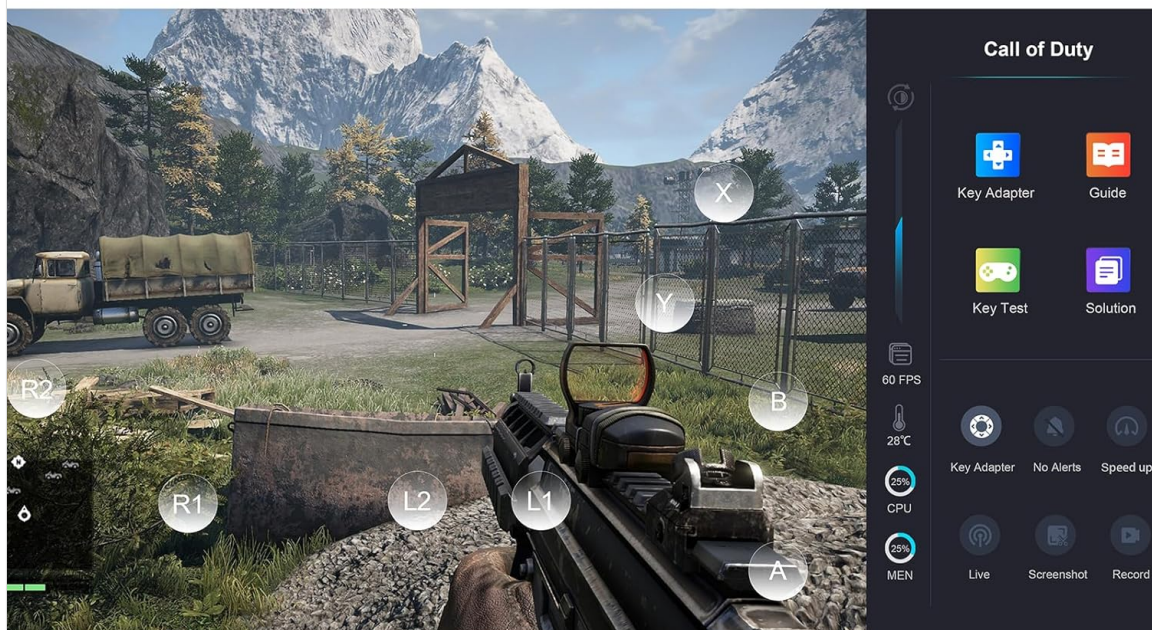


Figure 3.4: Screen Mapping for Optimized Gameplay

Game Streaming

Bring classic x86 games/X-BOX games/PS4 games/PS5 games with the help of video streaming software like Moonlight, Steam link



Figure 3.5: Game Streaming Functionality

4. INTERFACE OVERVIEW

Familiarize yourself with the various ports and controls on your AYN Odin Pro:

Interface Introduction



Figure 4.1: AYN Odin Pro Interface Layout

Controls:

- **Analog Joysticks (L3/R3):** For precise 360-degree movement. Press down for L3/R3 button function.

- **D-Pad:** Directional input for navigation and gameplay.
- **A/B/X/Y Buttons:** Standard action buttons.
- **L1/R1 Buttons:** Shoulder buttons.
- **Analog L2/R2 Buttons:** Pressure-sensitive trigger buttons.
- **Select/Start Buttons:** For in-game menus and system functions.
- **Home Button:** Returns to the Android home screen.
- **M1/M2 Buttons:** Customizable back buttons.

Ports:

- **USB Type-C:** For charging and data transfer.
- **HDMI:** For video output to external displays.
- **TF Card Slot:** For expandable storage (MicroSD card).
- **Audio Jack:** 3.5mm port for headphones.
- **Mic:** Integrated microphone.

5. SETUP

1. **Initial Charge:** Before first use, fully charge your Odin Pro using the provided USB Type-C cable and a compatible power adapter. The charging indicator will show progress.
2. **Power On:** Press and hold the ON/OFF button located on the top edge of the device until the screen illuminates.
3. **Initial Android Setup:** Follow the on-screen prompts to complete the Android 10 setup, including connecting to a Wi-Fi network and logging into your Google account.
4. **Google Play Store:** The Odin Pro has full support for the Google Play Store. You can download and install various applications, emulators, and games directly from the store.
5. **Game Content:** Please note that no games are preloaded on AYN consoles. You will need to acquire game ROMs or purchase games from the Google Play Store and install them onto the device or an inserted TF card.
6. **Emulator Setup:** For retro gaming, download and configure your preferred emulators from the Google Play Store. Refer to the specific emulator's documentation for detailed setup instructions.

6. OPERATING INSTRUCTIONS

Basic Navigation:

- **Touchscreen:** Navigate the Android interface by tapping, swiping, and pinching on the 6-inch LCD screen.
- **Physical Controls:** Use the D-pad and analog sticks for navigation within games and some

Android menus. Action buttons (A/B/X/Y) perform selections or actions.

- **Volume Control:** Use the Volume +/- buttons on the top edge to adjust audio output.

Gaming:

- **Launching Games:** Access installed games and emulators from the Android home screen or through the Odin Launcher application.
- **Game Mapping:** The device supports screen mapping to adapt touch-only Android games to physical controls. Refer to the device's settings or specific game mapping applications for configuration.
- **Game Streaming:** Utilize video streaming software like Moonlight or Steam Link to stream PC games to your Odin Pro. Ensure both devices are on the same network for optimal performance.

Connectivity:

- **Wi-Fi:** Connect to Wi-Fi networks via Android settings for internet access, game downloads, and updates.
- **Bluetooth:** Pair Bluetooth accessories such as headphones or external controllers through Android's Bluetooth settings.
- **External Display:** Connect an HDMI cable from the Odin Pro to a monitor or TV for a larger screen experience.

7. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the device's exterior. For the screen, use a microfiber cloth specifically designed for electronics. Avoid abrasive cleaners or solvents.
- **Battery Care:** To prolong battery life, avoid fully discharging the battery frequently. Store the device in a cool, dry place when not in use for extended periods.
- **Software Updates:** Periodically check for system updates through the Android settings to ensure optimal performance and access to the latest features.
- **Storage Management:** Regularly manage your internal storage and TF card to free up space. Uninstall unused apps and delete unnecessary files.
- **Protection:** Consider using a protective case or screen protector to safeguard your device from accidental drops or scratches.

8. TROUBLESHOOTING

Common Issues and Solutions:

- **Device Not Turning On:**
 - Ensure the device is sufficiently charged. Connect it to a power source and wait a few

minutes before attempting to power on again.

- Perform a hard reset by holding the power button for 10-15 seconds.

- **Games/Emulators Not Running Smoothly:**

- Close background applications to free up RAM.
- Ensure your emulators and games are updated to their latest versions.
- For emulators, adjust internal resolution or other graphics settings to lower values.
- Verify that the device's active cooling system is not obstructed.

- **Wi-Fi/Bluetooth Connectivity Issues:**

- Toggle Wi-Fi/Bluetooth off and on in Android settings.
- Restart the device.
- Forget the network/device and attempt to reconnect.
- Ensure you are within range of the Wi-Fi router or Bluetooth device.

- **Screen Freezing or Unresponsive:**

- Press and hold the power button to force a restart.
- If persistent, consider performing a factory reset (backup data first).

9. SPECIFICATIONS

System Parameters

Pro

CPU

Qualcomm Snapdragon SD845
64bit Processor(Kryo 385)
Quad-core Kryo Gold @ 2.8GHz, 256KB L2
Quad-core Kryo Silver @ 1.8GHz, 128KB L2

GPU

Adreno 630@787 MHZ

RAM

8GB LPDDR4x

Storage

64GB/128GB256GB

Screen

FHD 1080p 5.98 inch IPS LCD with touch
1080x1920 pixels,16:9 ratio, 369ppi
Dragontrail glass

Video Output

HDMI + DisplayPort

Audio

Qualcomm Aqstic Audio Codec & Speaker
Amplifier(2×1W)

WiFi

2.4/5G WIFI WIFI 802.11a/b/g/n/ac

Bluetooth

Bluetooth 5.0

Interface

USB 3.1 Type C/Mini HDMI/3.5mm
Audio Jack

OS

Android 10.0

Battery

6600mA

Charging

Quick Charge 3.0/4.0/4.0+

Size

224*95*15

Figure 9.1: Detailed System Parameters

Feature	Detail
Product Dimensions	8.81"L x 3.74"W x 0.59"H
Platform	Android 10
Controller Type	Button Control
Screen Size	6 Inches (FHD 1080p LCD)

Feature	Detail
Power Source	Battery Powered
Hardware Interface	USB Type-C, HDMI
Number of Batteries	1 Lithium Ion (included)
Battery Capacity	6600mAh
Display Type	LCD
Material	Plastic
Memory Storage Capacity	128 GB
Form Factor	Handheld
Item Weight	1.65 pounds
Manufacturer	AYN

10. WARRANTY AND SUPPORT

Safety Information: As per product information, "No warranty needed" is stated. For any product-related inquiries or technical assistance, please refer to the official AYN support channels or contact your retailer.

For the latest support information, FAQs, and community forums, please visit the official AYN website.


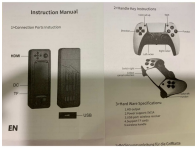



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Related Documents - Odin Pro



[M15 Game Stick Pro: Instruction Manual and Hardware Specifications](#)

Comprehensive guide to the M15 Game Stick Pro, covering appearance, hardware functions, usage instructions, warranty information, and safety precautions. Supports multiple languages.

	<p>TRIMUI SMART PRO Handheld Game Console: Operation Guide</p> <p>Explore the TRIMUI SMART PRO handheld game console with this comprehensive guide. Learn about setup, game management, netplay, firmware updates, and essential hotkeys for an enhanced gaming experience.</p>
	<p>X9 PRO Retro Game Stick User Manual - Connection, Controls, and Specifications</p> <p>Comprehensive user manual for the X9 PRO Retro Game Stick console, detailing connection ports, controller functions, hardware specifications, main menu navigation, warranty information, and packaging contents. Includes setup and usage guidance.</p>
	<p>BOYHOM R43 Pro Handheld Game Console Instruction Manual</p> <p>Official instruction manual for the BOYHOM R43 Pro handheld retro video game console, covering appearance, hardware, functions, warranty, and safety warnings. Features open-source Linux system and TF card expansion.</p>
	<p>Super Console X2 PRO User Manual - Setup, Features, and Game Management</p> <p>Comprehensive user manual for the Super Console X2 PRO retro game console. Learn about its specifications, features, packing list, system setup, Wi-Fi connection, adding games, emulator management, and troubleshooting.</p>
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