Portkeys PT6 English User Manual (Official Full Version + Quick Reference)

1. Product Overview

Key Features

- **5.2/6-inch IPS touchscreen**, *1920×1080 resolution, 600–1000 cd/m² brightness*
- **HDMI 2.0 input**: *4K@30p, 1080p@60p;* **HDMI loop output**: *1080p@60p*
- **3D LUT support** *(.cube files), DCI-P3 color gamut*
- **Professional monitoring tools**: *peaking, zebra, histogram, vectorscope, false color*
- **Vertical stretch** *for vertical shooting, anamorphic de-squeeze*
- **Power options**: *NP-F/L-series batteries, DC 12V, Type-C 5V/2A*
- **MOVNORM OS** *with customizable shortcuts and firmware upgrade*Portkeys

Package Contents

- *Portkeys PT6 Monitor ×1*
- *MH-2 Mounting Bracket ×1*
- *HDMI Cable ×1, Micro-HDMI to HDMI Cable ×1*
- *Sunshade ×1*
- *Rubber Covers ×2*
- *Storage Box ×1*
- *English User Manual ×1*

2. Physical Layout & Ports

Front & Top

- **5.2/6-inch touchscreen**: *tap/swipe/pinch-to-zoom (2×/4×/9×)*
- **3 custom function buttons**: *assign peaking, LUT, zebra, etc.*
- **Power button**: *long press to power on/off; short press to sleep*

Side & Bottom Ports

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Port	Function
HDMI IN	4K@30p / 1080p@60p camera input
HDMI OUT	Loop output to recorder/second monitor
DC IN	12V DC power input
Type- C	Firmware upgrade, LUT import, 5V power
Battery Compartment	NP- F/L- series battery slot
1/4″- 20 Thread	Mount to light stand/camera cage

3. Basic Operation

Power On/Off

1. *Install an NP- F battery or connect DC/Type- C power.*

2. **Long press the power button** *for 3 seconds to turn on; boot takes ~15 seconds.*
3. **Long press power button** → *select* **Power Off** *to shut down; short press to enter sleep mode.*

Signal Connection

1. *Connect camera HDMI OUT → PT6* **HDMI IN**.
2. *The monitor auto- detects the signal; if no signal, check cable or camera output format.*
3. *Use* **HDMI OUT** *to loop the signal to a recorder or secondary monitor.*

Touch & Menu Navigation

- **Tap**: *Select menu items, confirm settings.*
- **Swipe up**: *Open quick settings toolbar.*
- **Swipe left/right**: *Switch menu pages.*
- **Pinch**: *Zoom in/out for focus checking (2×/4×/9×).*
- **Long- press icon**: *Open detailed settings for that tool.*

4. Core Monitoring Tools

Focus & Exposure

- **Focus Peaking**: *Menu → Display → Peaking → adjust color/sensitivity*
- **Zebra Pattern**: *Menu → Display → Zebra → set threshold (70–100%)*
- **Histogram/Vectorscope**: *Menu → Display → Histogram / Vectorscope*
- **False Color**: *Menu → Display → False Color → exposure guide*

Composition & Aspect Ratio

- **Grid/Safe Area**: *Menu → Display → Grid (2×2 to 9×9) / Safe Area (16:9, 4:3, 2.35:1)*
- **Vertical Stretch**: *Menu → Display → Vertical Stretch → enable for vertical shooting*
- **Anamorphic De- squeeze**: *Menu → Display → Anamorphic → 1.33x / 1.5x / 2x*

3D LUT Management

1. *Save* **.cube** *LUT files to a FAT32 USB drive.*
2. *Insert USB into PT6 Type- C port.*
3. *Menu → LUT → Import from USB → select LUT → load.*
4. *Assign LUT to a shortcut button for quick switching.*

5. Firmware Upgrade

1. *Download the latest* **MOVNORM OS firmware** *(.bin) from Portkeys website.*
2. *Unzip and copy the .bin file to the* **root of a FAT32 USB drive**.
3. *Connect USB to PT6 → Menu → Settings → Firmware → Upgrade (USB).*
4. *Confirm upgrade;* **do not power off** *during update. The monitor reboots automatically when done.*

6. System Settings

Language

Menu → Settings → Language → select **English** (default) / Chinese / other languages.

Factory Reset

Menu → Settings → System → Factory Reset → confirm (preserves imported LUTs).

Touch Calibration

Menu → Settings → Display → Touch Calibration → follow on- screen prompts.

7. Troubleshooting

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Issue	Cause	Solution
No signal	Loose cable / incompatible format	Replace HDMI cable; set camera to 1080p@60p or 4K@30p
Touch unresponsive	System lag / calibration error	Restart monitor; run touch calibration
LUT import failed	USB not FAT32 / invalid .cube file	Format USB to FAT32; use standard .cube LUTs
Battery not detected	Incorrect battery type / poor contact	Use NP- F/L- series batteries; clean battery contacts
Overheating	High brightness + direct sunlight	Lower brightness; use sunshade; allow cooling

8. Specifications

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Parameter	Value
Screen Size	5.2″ / 6″
Resolution	1920 × 1080
Brightness	600 cd/m² (5.2″) / 1000 cd/m² (6″)
Contrast	1500:1
Color Gamut	DCI- P3
HDMI Input	4K@30p, 1080p@60p, 10- bit 4:4:4/4:2:2
HDMI Output	1080p@60p loop
Power Input	DC 12V, Type- C 5V/2A, NP- F/L- series batteries
Dimensions	~150 × 90 × 25 mm
Weight	~220 g
Warranty	1- year manufacturer

9. Support

- **Website**: https://www.portkeys.com

- **Email***: support@portkeys.com / services@portkeys.com*
- **Firmware***: https://www.portkeys.com/firmware/*