

**BIGTREETECH KINGPRINTER-1040000036**

# BIGTREETECH 7-inch HDMI Touch Screen Display User Manual

Model: KINGPRINTER-1040000036

## 1. PRODUCT OVERVIEW

The BIGTREETECH 7-inch HDMI Touch Screen Display is a versatile monitor designed for various applications, including compatibility with Sovol-SV08, Raspberry Pi 4B/3B, Banana Pi, and Windows 10/8/7 PCs. It features a 1024x600 resolution IPS panel with a 160° wide viewing angle, offering excellent image quality and responsive touch control.

This manual provides detailed instructions for setting up, operating, and maintaining your display, ensuring optimal performance and longevity.

### Key Features:

- 7-inch IPS Capacitive Touch Screen
- 1024x600 Resolution
- 160° Wide Viewing Angle
- HDMI Input for broad compatibility
- Support for 5-point touch
- Adjustable Brightness and Display Direction
- Built-in Audio Decoding Circuit with 3.5mm Headphone Jack



Figure 1: Front view of the BIGTREETECH 7-inch HDMI Touch Screen Display.

## 2. SETUP AND CONNECTIONS

Follow these steps to connect your BIGTREETECH HDMI7 display to your desired device.

### 2.1 Connecting to Display Output Device

1. **Using Type-C Data Cable:** Connect the HDMI7 display to your display output device (e.g., Sovol-SV08, Raspberry Pi, PC, or other HDMI-compatible devices) using the provided Type-C data cable.
  - When connecting to a PC, the PC will typically load the necessary drivers automatically. Once drivers are loaded, the touch functionality will be recognized.
2. **Using HDMI Cable:** Alternatively, connect the HDMI7 display to your display output device using an HDMI cable. The LCD should display content normally within 5 seconds after connection.

# Creating an Intuitive, Responsive Operation

\*Note: up to 5-points touch, depending on the operating system.



Figure 2: Rear view of the display showing connection ports (HDMI, Type-C, Audio Out).

## 3. OPERATING INSTRUCTIONS

### 3.1 Power Indicator and Status

When the motherboard is powered on:

- The power indicator, D11 (Power) red light, will illuminate, indicating normal power supply.
- The working status indicator, D12 (Status) green light, will flash, indicating that the screen is operating normally.

### 3.2 Audio Output

To enable audio output, plug a 3.5mm earphone or speaker into the AUDIO interface on the display.

# 160° Wide Viewing Angle

Offer clear images at any angle up to 160°



Figure 3: Illustration of connecting a 3.5mm audio device to the display.

## 3.3 Screen Brightness Adjustment

The BIGTREETECH HDMI7 V1.0 supports brightness adjustment:

- Increase brightness using the **Ks1** button.
- Decrease brightness using the **Ks3** button.

## 3.4 Display Direction Adjustment

The BIGTREETECH HDMI7 V1.0 allows for horizontal display direction adjustment:

- Adjust the display direction using the **Ks2** button.

## 3.5 Touch Screen Functionality

The display features a responsive capacitive touch screen that supports up to 5-point multi-touch, depending on the operating system of the connected device. This allows for intuitive interaction with your applications.

# IPS Display Panel, Excellent Image Quality

HD 1024×600

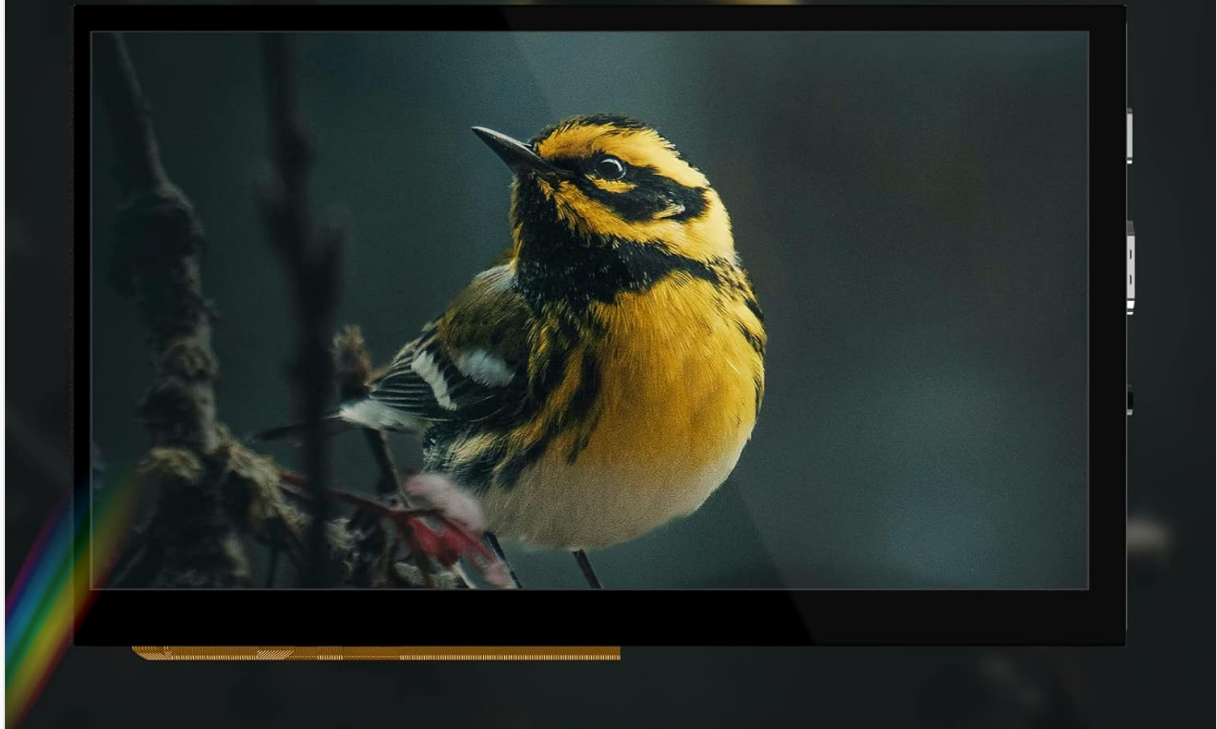


Figure 4: Demonstrating the responsive multi-touch capability of the display.

## 4. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your display.

- **Cleaning:** Use a soft, lint-free cloth slightly dampened with water or a screen-safe cleaner to wipe the display surface. Avoid abrasive materials or harsh chemicals.
- **Storage:** When not in use for extended periods, store the display in a cool, dry place away from direct sunlight and extreme temperatures.
- **Handling:** Always handle the display by its edges. Avoid applying excessive pressure to the screen surface.
- **Ventilation:** Ensure proper ventilation around the display to prevent overheating, especially during prolonged operation.

## 5. TROUBLESHOOTING

If you encounter issues with your display, refer to the following troubleshooting tips:



## 5.1 No Display/Black Screen

- **Check Power:** Ensure the D11 (Power) red indicator light is on. If not, verify the power input (DC 5V) connection.
- **Check Signal Cable:** Confirm that the HDMI or Type-C cable is securely connected to both the display and the output device. Try a different cable if available.
- **Output Device Settings:** Verify that your connected device (PC, Raspberry Pi, etc.) is configured to output video to the correct HDMI port and at a compatible resolution (1024x600).
- **Restart Devices:** Power cycle both the display and the connected output device.

## 5.2 Touch Functionality Not Working

- **USB Connection:** For touch functionality, ensure the Type-C data cable is connected, as it carries the touch data.
- **Driver Installation:** If connecting to a PC, confirm that the touch screen drivers have been successfully loaded. This usually happens automatically, but manual installation might be required in some cases.
- **Operating System Support:** Verify that your operating system supports touch input for external displays.
- **Calibration:** Some operating systems may require touch screen calibration. Refer to your OS settings.

## 5.3 No Audio Output

- **Audio Cable:** Ensure your 3.5mm earphone/speaker is correctly plugged into the AUDIO interface.
- **Volume Settings:** Check the volume settings on your connected output device.
- **Audio Source:** Confirm that the output device is sending audio through the HDMI/Type-C connection.

## 6. SPECIFICATIONS

Parameter	Value
Product Dimension	100 x 165mm
Power Input	DC 5V
Logic Voltage	DC 3.3V
Screen Size	7-inch IPS Display
Screen Resolution	1024x600
Screen Viewing Angle	160°
Item Model Number	KINGPRINTER-1040000036
Manufacturer	BIGTREETECH
First Available Date	August 27, 2022

# 3.5mm Audio Output

3.5mm audio interface transmits the audio signal without noise and current, giving you pure and delicate sound.



Figure 5: High-definition IPS display panel for excellent image quality.

# Adjustable Brightness



Figure 6: The display offers a wide 160° viewing angle for clear images from various perspectives.

## 7. WARRANTY AND SUPPORT

For warranty information and technical support, please contact BIGTREE TECH directly or refer to their official website. Keep your purchase receipt as proof of purchase.

**Manufacturer:** BIGTREE TECH

For further assistance, visit the [BIGTREE TECH Store on Amazon](#).