

[Manuals.plus](#) /

› [Chengying](#) /

› Chengying 50 inch 10 Point Multi-Touch Infrared Touch Frame CYS-50-p10 User Manual

Chengying CYS-50-p10

Chengying 50 inch 10 Point Multi-Touch Infrared Touch Frame User Manual

Model: CYS-50-p10

1. INTRODUCTION

This manual provides instructions for the installation, operation, and maintenance of your Chengying 50 inch 10 Point Multi-Touch Infrared Touch Frame, model CYS-50-p10. This product is designed to convert a standard display into an interactive touch screen.

The touch frame is a pointing device, not a display. It requires an existing monitor or TV screen and a computer to function as a touch screen. It offers a high-end touch experience with fast response and strong ambient light immunity.



Image 1.1: The Chengying Infrared Touch Frame, illustrating its compatibility with various operating systems including Windows, Android, Apple, Linux, and Chrome OS. The frame is black and designed to overlay a display.

2. SAFETY INFORMATION

Please read and follow these safety guidelines to ensure proper operation and prevent damage to the device or injury.

- **Electrical Safety:** Ensure the power source (USB) meets the specified voltage (5V DC). Do not expose the device to water or excessive moisture.
- **Handling:** Handle the frame carefully to avoid bending or damaging the internal infrared sensors.
- **Environment:** Operate the device within recommended temperature and humidity ranges. Avoid direct exposure to strong sunlight or extreme heat sources.
- **Cleaning:** Disconnect the USB cable before cleaning. Use a soft, dry cloth. Avoid abrasive cleaners or solvents.

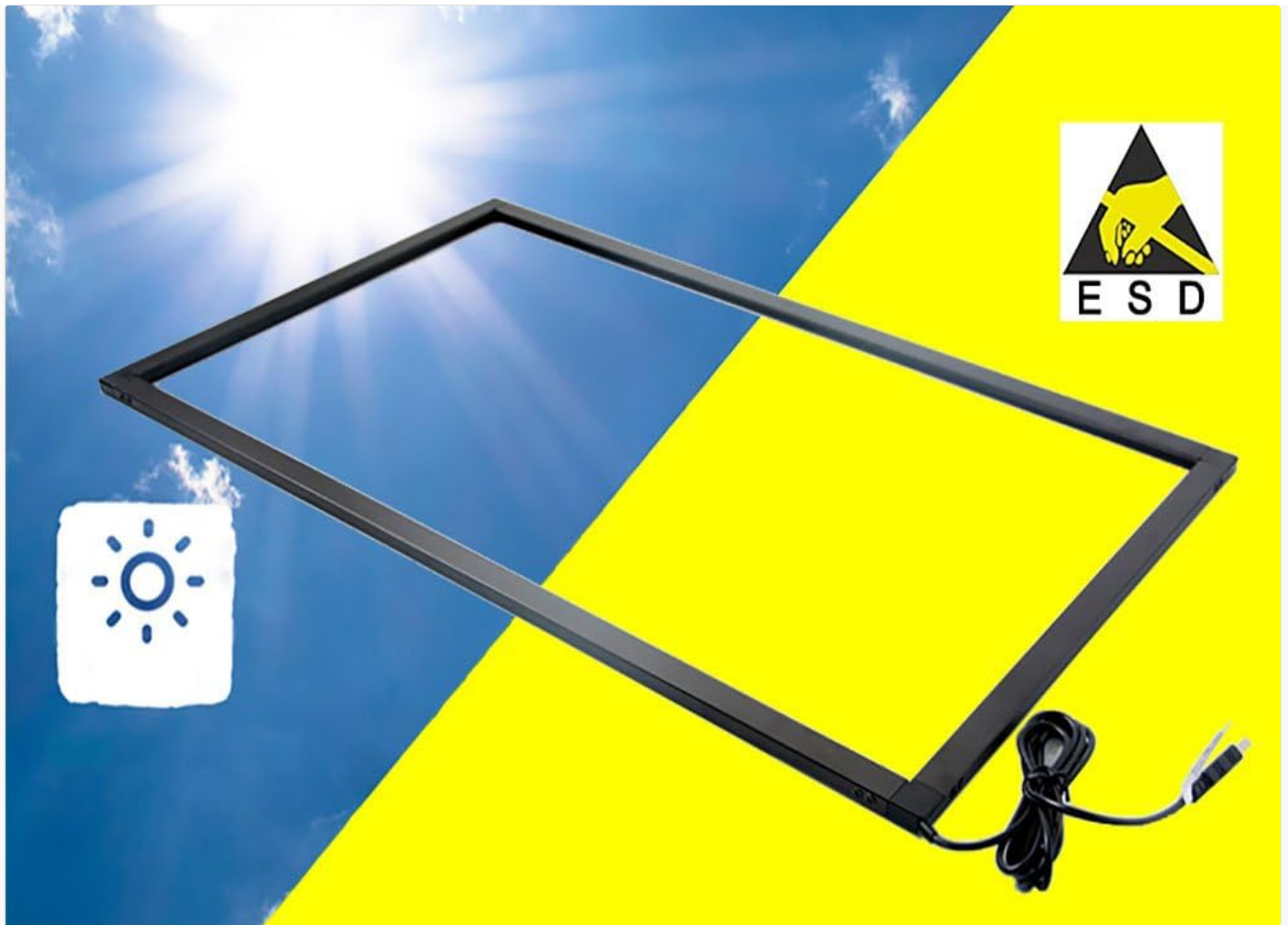


Image 2.1: The infrared touch frame shown against a background depicting strong ambient light (sun) and an ESD (Electrostatic Discharge) protection symbol, highlighting its robust design for various environments.

3. PACKAGE CONTENTS

Verify that all components are present in the package:

- Infrared Touch Frame (disassembled into sections)
- USB Cable
- Mounting Hardware (screws, double-sided adhesive tape)
- Instruction Manual (this document)

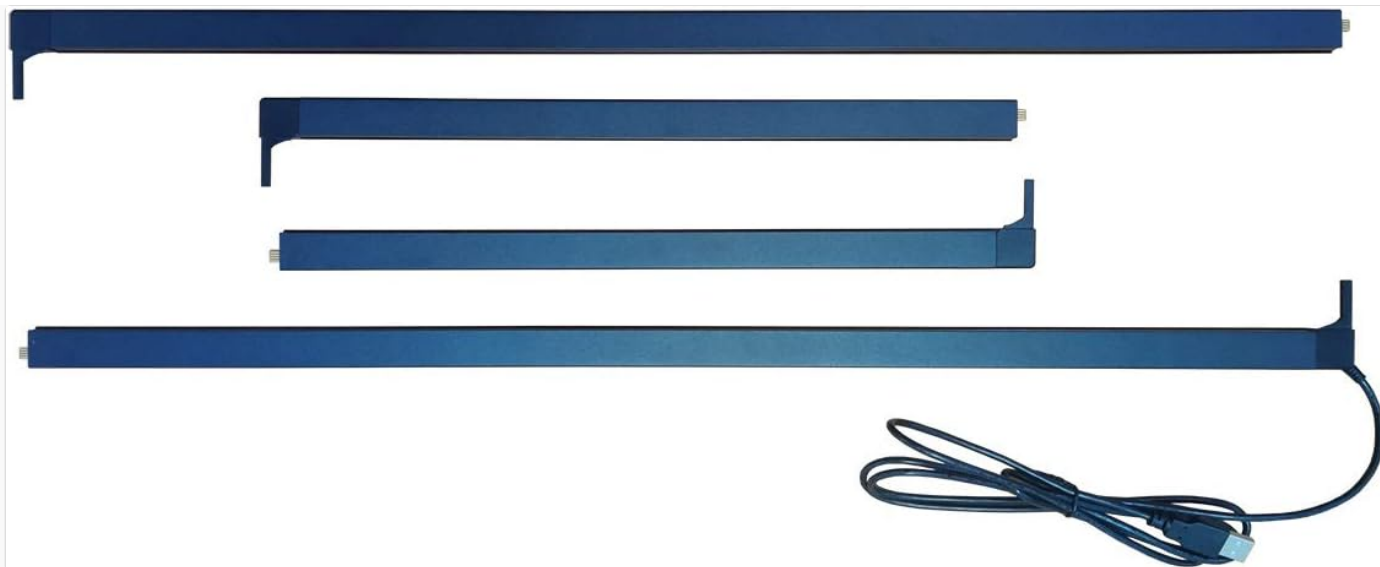


Image 3.1: The disassembled components of the touch frame, showing the individual frame sections, the USB connection cable, and a small bag containing mounting hardware.

4. SETUP AND INSTALLATION

Follow these steps to assemble and install the infrared touch frame onto your display.

4.1 Assembly

1. Carefully unpack all components.
2. Connect the frame sections together to form a rectangular frame. Ensure the connectors align properly.
3. Secure the frame sections using the provided screws.

4.2 Mounting to Display

1. Clean the bezel of your display thoroughly to ensure proper adhesion of the mounting tape.
2. Apply the double-sided adhesive tape to the back of the assembled touch frame.
3. Carefully align the touch frame with the edges of your display. It is recommended to have two people for larger frames to ensure precise alignment.
4. Gently press the frame onto the display bezel to secure it.



Image 4.1: A detailed view of a corner connection on the infrared touch frame, showing the precise engineering and thin profile of the frame components.

5. OPERATING INSTRUCTIONS

This section details how to connect and use your Chengying Infrared Touch Frame.

5.1 Connection

1. Connect the provided USB cable to the port on the touch frame.
2. Plug the other end of the USB cable into an available USB port on your computer.

5.2 Driver Installation and Compatibility

- **Windows, Native Android, Native Linux:** The touch frame is HID plug-and-play and driver-free for these operating systems. It should be recognized automatically.
- **Mac OS:** A specific HID driver is required for Mac OS. Please visit the Chengying official website for the latest driver download and installation instructions.

5.3 Touch Functionality

Once connected and drivers are installed (if necessary), your display will now respond to touch inputs. The frame supports 10-point multi-touch, allowing for various gestures and simultaneous inputs.

- **Single Touch:** Functions as a mouse click.
- **Multi-Touch Gestures:** Supports common gestures like pinch-to-zoom, two-finger scrolling, and other multi-touch interactions depending on the operating system and application.

24" to 84" IR Touch Screen Panel Frame

2 to 40 Touch Point Overlay



Image 5.1: The touch frame displaying icons for Windows 7, Windows 8, Windows 10, and Mac compatibility, indicating broad operating system support.

6. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your touch frame.

- **Cleaning:** Use a soft, lint-free cloth to gently wipe the frame. If necessary, slightly dampen the cloth with water. Do not use harsh chemicals, abrasive cleaners, or solvents, as these can damage the frame's surface or internal components.
- **Dust Removal:** Periodically inspect the frame for dust accumulation, especially along the inner edges where the infrared sensors are located. Use a soft brush or compressed air to carefully remove any dust.
- **Storage:** If storing the device for an extended period, disassemble it carefully and store it in its original packaging in a dry, cool environment.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with the touch frame.

7.1 No Touch Response

- **Check USB Connection:** Ensure the USB cable is securely connected to both the touch frame and the computer. Try a different USB port.
- **Power:** Verify that the computer is powered on and the USB port is supplying power.
- **Drivers (Mac OS):** If using Mac OS, confirm that the correct HID driver is installed. Refer to the Chengying website for driver information.
- **Obstructions:** Ensure there are no physical obstructions (e.g., tape, debris) blocking the infrared sensors along the inner edges of the frame.
- **Calibration:** While the frame often comes pre-calibrated, some operating systems or specific setups might benefit from recalibration. Refer to your operating system's touch screen calibration settings.

7.2 Inaccurate Touch

- **Alignment:** Ensure the touch frame is perfectly aligned with your display. Misalignment can cause touch inaccuracies.
- **Cleanliness:** Dust or smudges on the infrared sensors can interfere with touch detection. Clean the frame as described in the Maintenance section.
- **Ambient Light:** While designed for strong ambient light immunity, extreme direct light sources might rarely cause interference. Try adjusting lighting conditions if issues persist.
- **Recalibration:** Perform a touch screen calibration through your operating system settings.

7.3 Frame Not Recognized by Computer

- **Restart Computer:** A simple restart can often resolve recognition issues.
- **USB Port:** Try connecting to a different USB port on your computer.
- **Device Manager (Windows):** Check Device Manager in Windows to see if the device is listed and if there are any driver issues.

8. SPECIFICATIONS

Feature	Detail
Brand	Chengying
Model Number	CYS-50-p10
Screen Size Compatibility	50 Inches
Touch Points	10 Point Multi-Touch
Technology	Infrared (IR)
Max Screen Resolution Supported	32768x32768
Aspect Ratio	16:9
Color	Black
Voltage	5 Volts (DC)

Feature	Detail
Item Weight	2.2 pounds
Product Dimensions (LxWxH)	0.34 x 44.72 x 25.9 inches
Operating Systems	Windows, Native Android, Native Linux (driver-free); Mac OS (driver required)

Dimension And Drawing

Model: CYS-50-p10

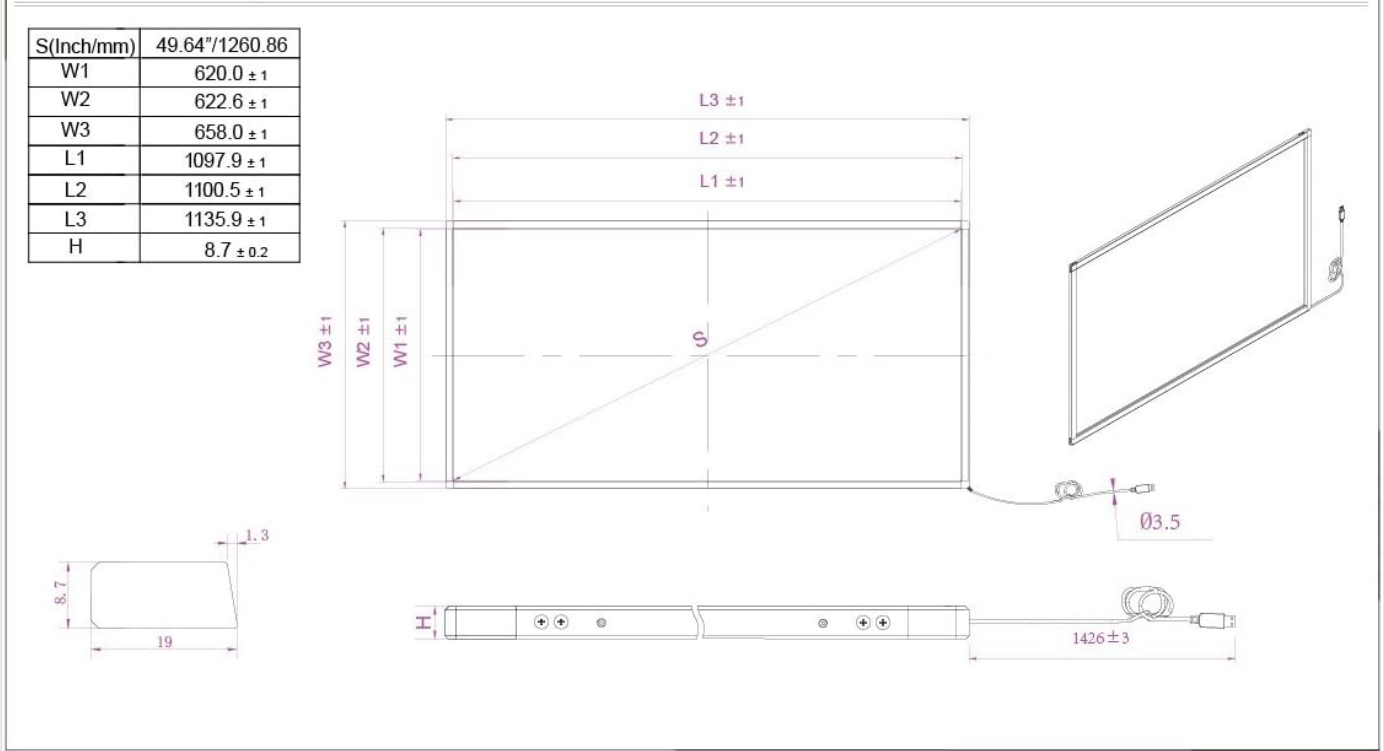


Image 8.1: A technical diagram illustrating the dimensions and measurements of the CYS-50-p10 touch frame, including width, height, and thickness.

9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation included with your purchase or visit the official Chengying website. Contact details for customer service are typically available on the product packaging or the manufacturer's website. Please retain your proof of purchase for any warranty claims.

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Open the live page

<https://manuals.plus/asin/B07D1ZS95R>

More documents and user manuals: <https://manuals.plus/>