

High-Brightness TFT Displays Connection

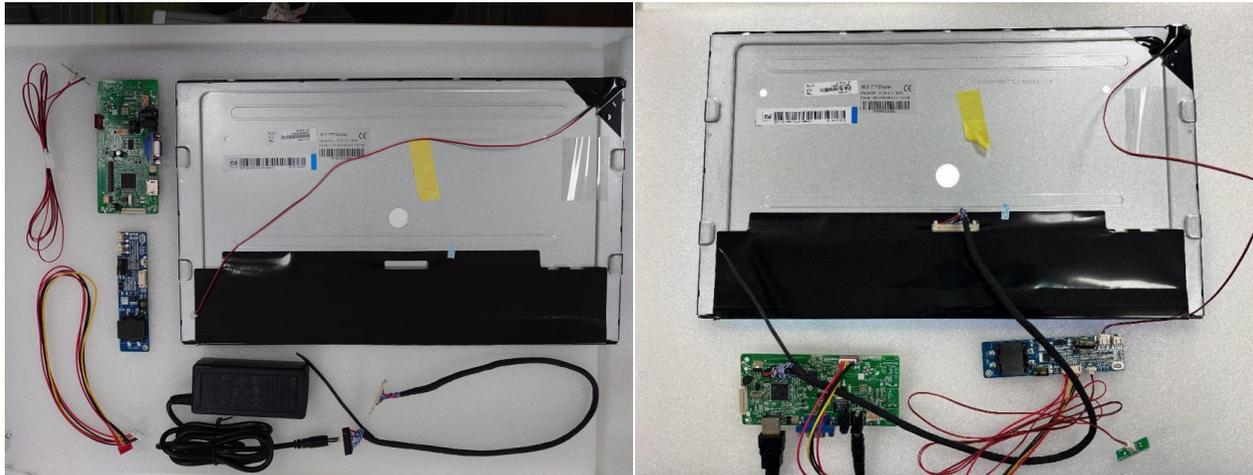
1. Overview

This document provides detailed wiring instructions for the 18.5-inch high-brightness screen system. The system includes the following components:

High-brightness LCD screen ,Screen cables (LVDS cable and backlight cable) ,AD control board ,Light sensor ,Power board ,All corresponding wires.

Follow these instructions to ensure correct and safe installation.

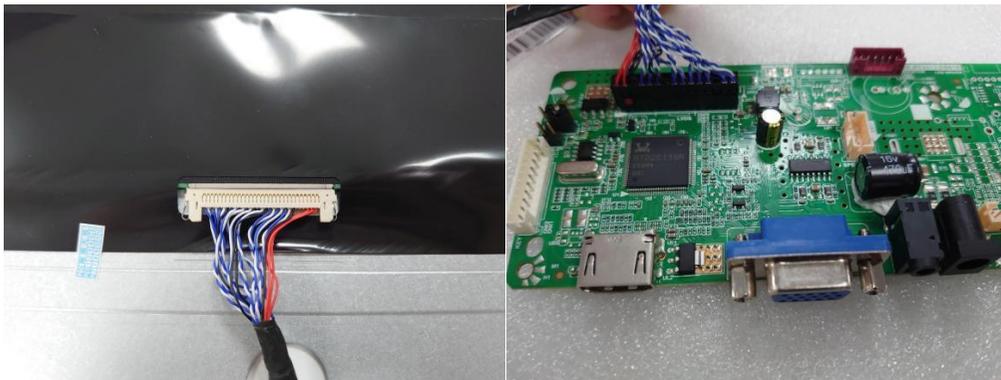
2. Components and Ports



2.1 LCD Screen

Port 1: LVDS Interface

For signal transmission between the screen and the AD control board.



Port 2: Backlight Power Connector

Supplies power to the screen's backlight.

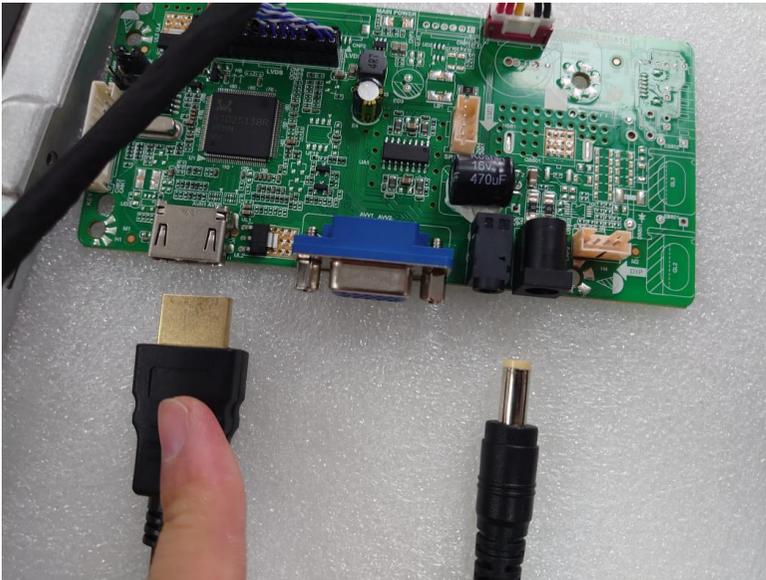


2.2 AD Control Board

Receives video input and controls the screen's operation.

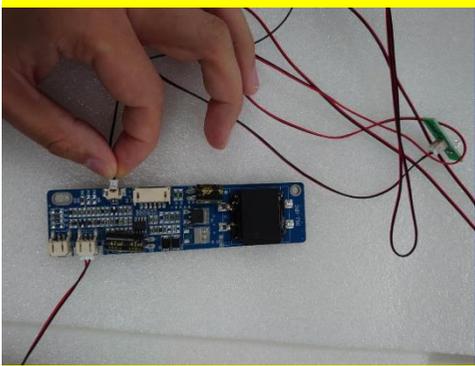
Common input ports: HDMI, VGA, DVI, or DP (depending on the model).

Output port: LVDS interface (connects to the screen).



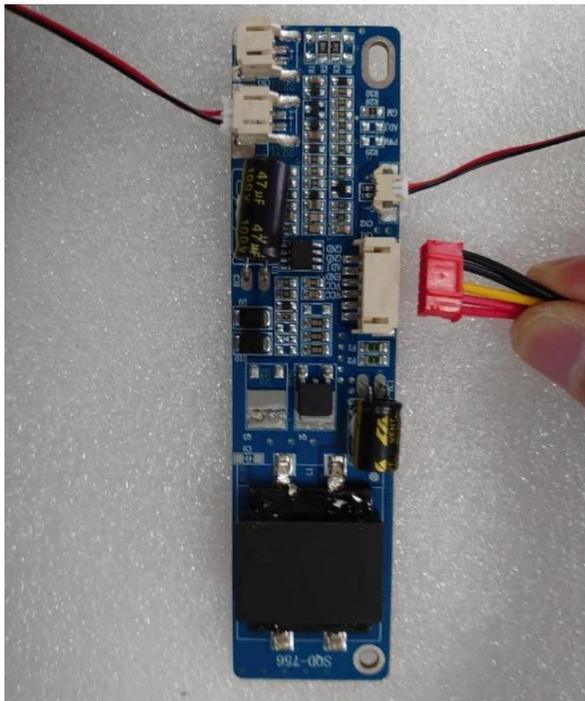
2.3 Light Sensor

Detects ambient light for automatic brightness adjustment.



2.4 Power Board

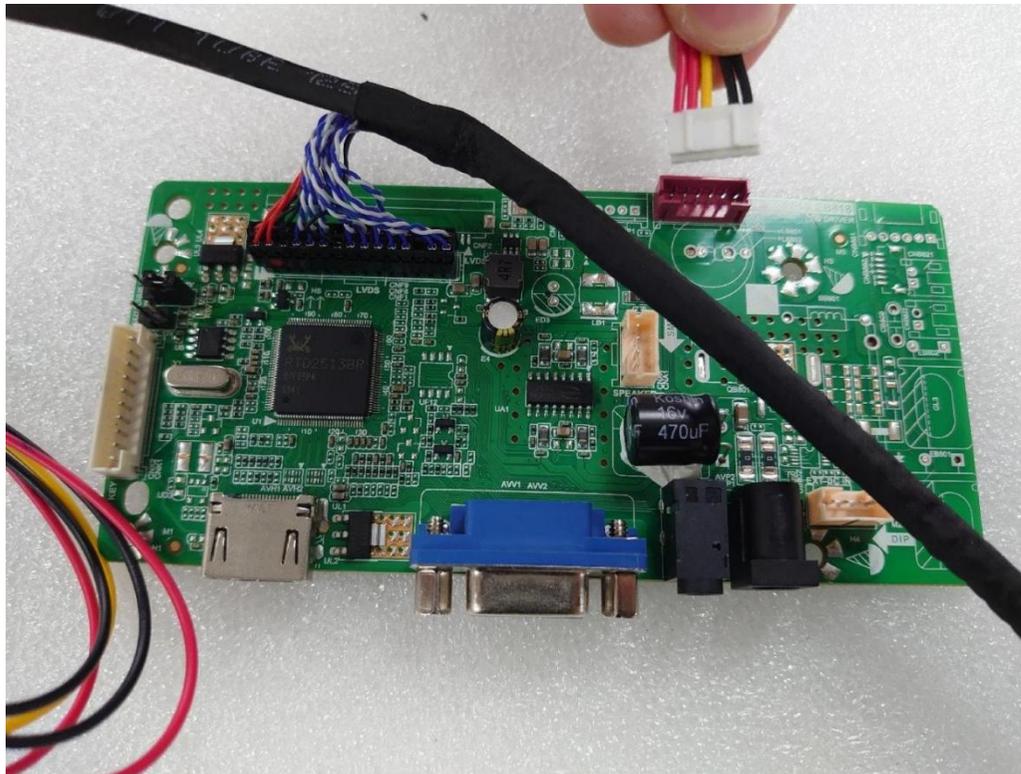
Converts input power to the appropriate voltage for the screen and AD control board.



3. Wiring Instructions

3.1 Connecting the LCD Screen

LVDS Cable



Connect one end of the LVDS cable to the LVDS port on the AD control board.

Connect the other end to the LVDS input port on the screen. Ensure the alignment of the pins before connecting.

Secure the connection with the locking clips or screws (if applicable).

Backlight Power Cable

Connect the backlight cable to the backlight power port on the screen.

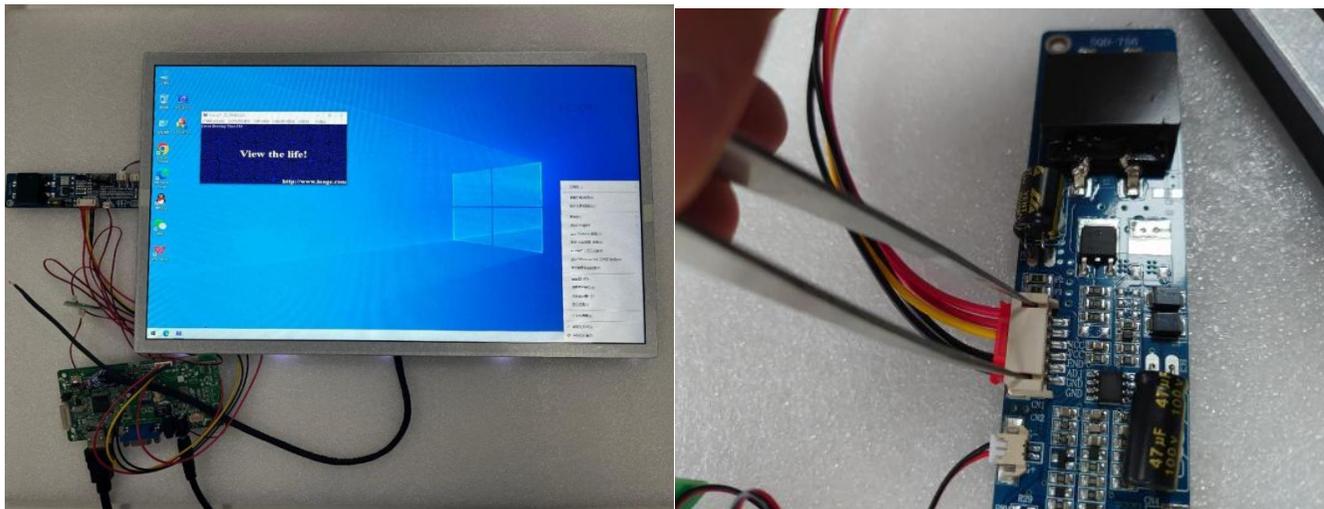
Ensure the cable is securely fastened to avoid flickering or power loss.

3.2 Connecting the AD Control Board

Signal Input

Connect the appropriate signal cable (e.g., HDMI, VGA, DVI, or DP) from the input device (e.g., PC, media player) to the signal input port on the AD control board.

Tighten screws on the connectors for stability (if applicable).



The included tweezers are for easy removal of the connector. Instructions for use are as shown in the figure:

* TDD (www.tddtouch.com, sales@tddtouch.com) reserves the right to change specifications without prior notice.