

How to Deploy a Sharp Eink Display (Android) under Zebrix

Prerequisites

A Windows computer

From the zebrix documentation, download:

1. The installation zip specific to the Sharp screen brand. This zip contains:

The Service Tools app from Sharp

The configuration file for the Service Tools app: `Configurationsystemsetting_default.dat`

Platform Tools (ADB)

Screen copy

Installation script

2. Android application "zebrix-signage-eink-latest.apk"

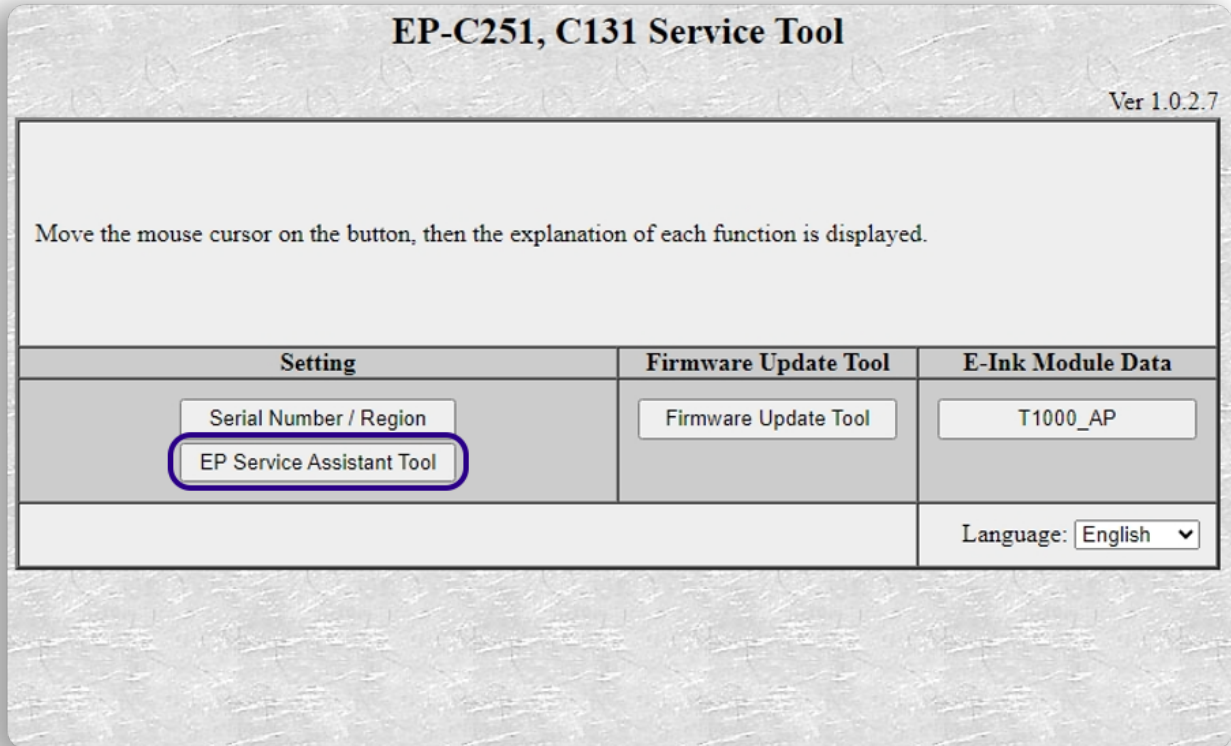
==== Step 1: Configure the Network and Enable Developer Mode (specific to Sharp Eink) ====

==== 1. Connect the display to the computer ==== Connect a USB-C cable to the Sharp screen (PC/MEMORY port) and the Windows computer



Make sure the device is visible from the file explorer (if not, disconnect and reconnect the screen to the PC)

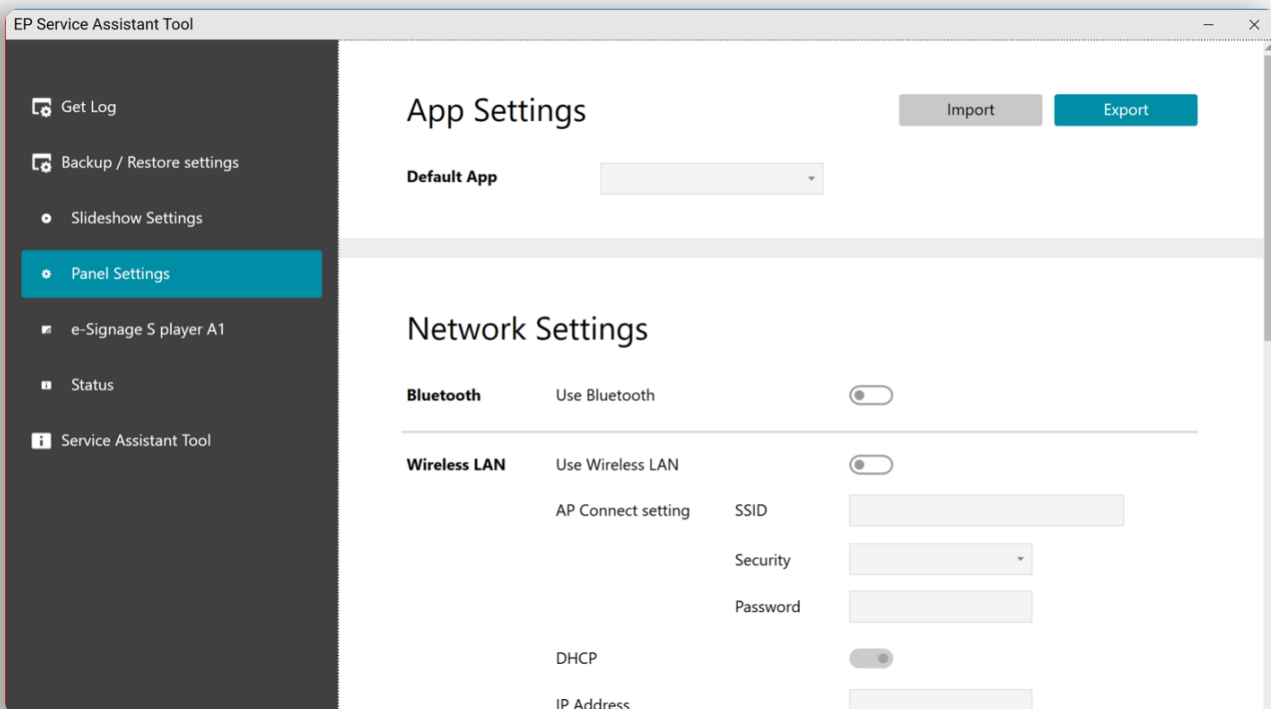
==== 2. Service Tools ==== Extract the service tools folder and open it. Inside, open the Service Tool Launcher app.



Then click on EP assistant tool === 3. Modify the Configuration-system-setting-default.dat file ===
Open the file Configuration-system-setting-default.dat with the computer's notepad app.

```
Configuration_system_setting_default.dat
{
  "DefaultApp": "com.tpv.slideshow",
  "WiFiSetting": {
    "NetworkEnable": "on",
    "SSID": "",
    "Security": "",
    "PW": "",
    "DHCP": "on",
    "IPAddress": "",
    "Gateway": "",
    "SubnetMask": "",
    "DNS": ""
  },
  "BTSetting": "off",
  "Language": "",
  "NetworkTime": "off",
  "Date": "2023/01/01",
  "Time": "0:00",
  "Timezone": "",
  "PowerSaveMode": "off",
  "TemperatureMode": "off",
  "KeyLockEnable": "off",
  "USBportProhibit": "off"
}
```

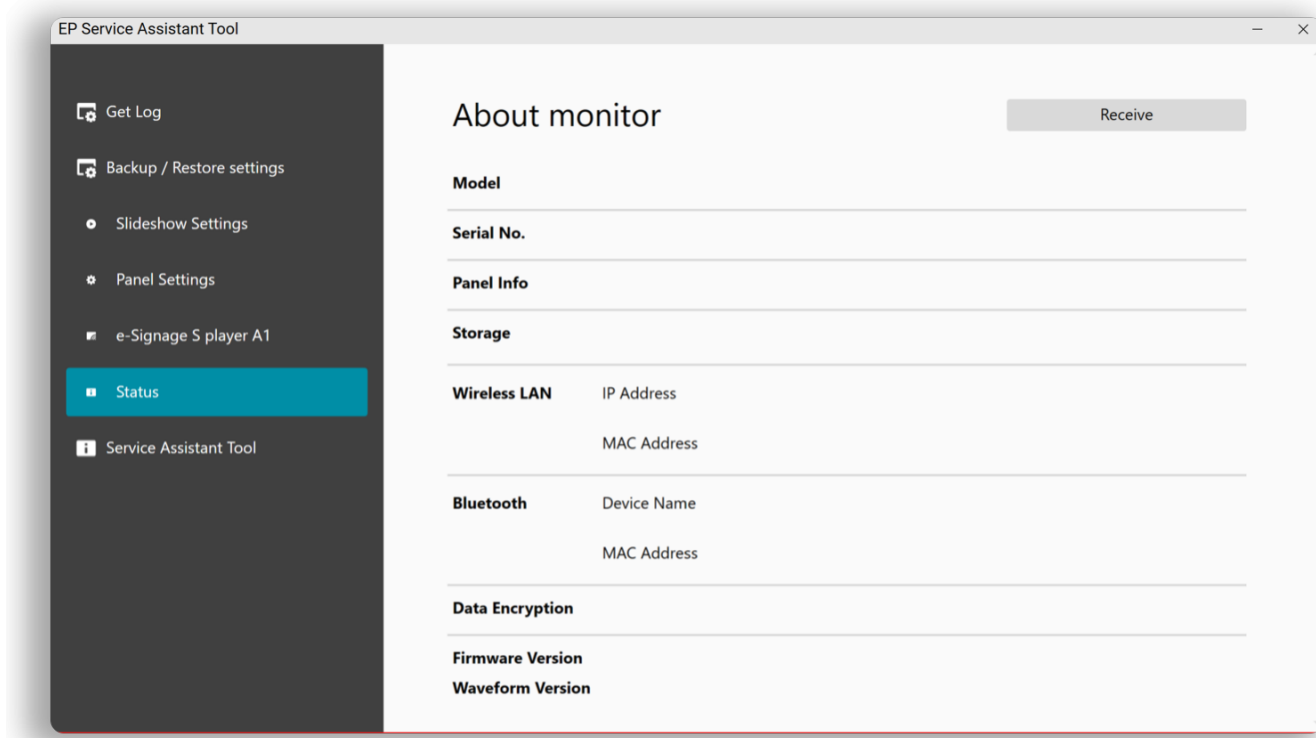
In front of SSID, Security, and PW, enter the Wi-Fi network details in the " " where the screen will be located. Make sure that networkEnable is set to "on". Then, save the file and close the window. ===
4. EP Assistant Tool ===




When opening the assistant tool, go to the Panel settings tab and click Import. In the explorer (via Folder when the option appears), select the modified file Configuration-system-setting-default.dat.

Then click Export (to export to the screen) in the same tab (via EP Device to send it directly to the screen; if EP Device is not available, try disconnecting and reconnecting the screen physically to the computer).

Go to “Backup/Restore settings” > “Status”

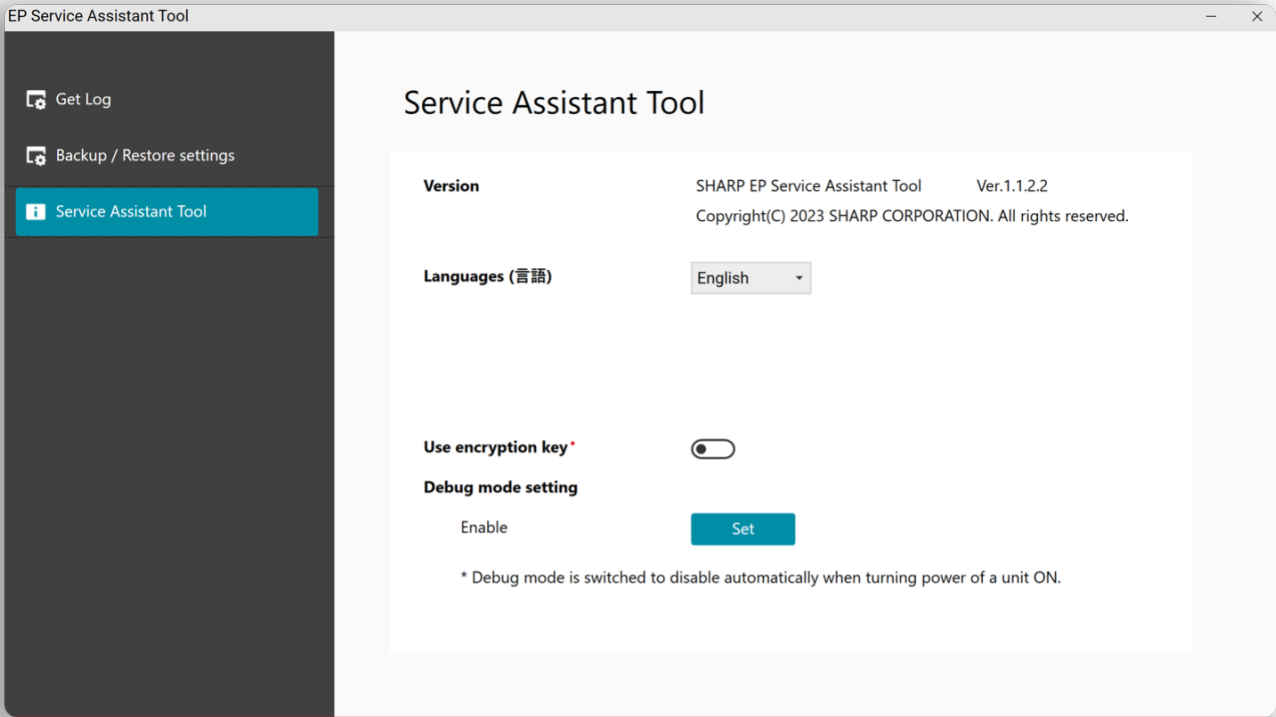


Click “Receive” to get the device information

 Note the IP address, it will be important for the installation step of the zebrix signage app

5. Enable Debug Mode (ADB)

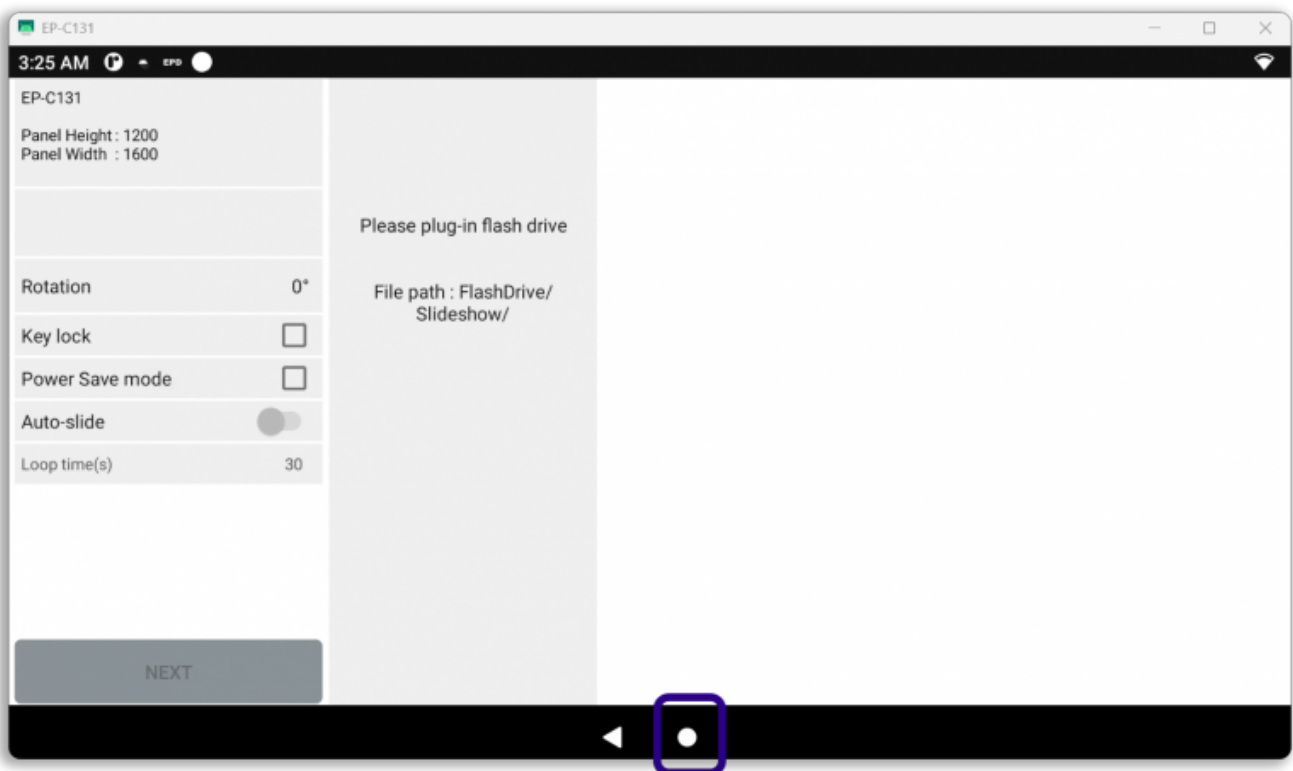
Go to the “Service Assistant Tool” tab



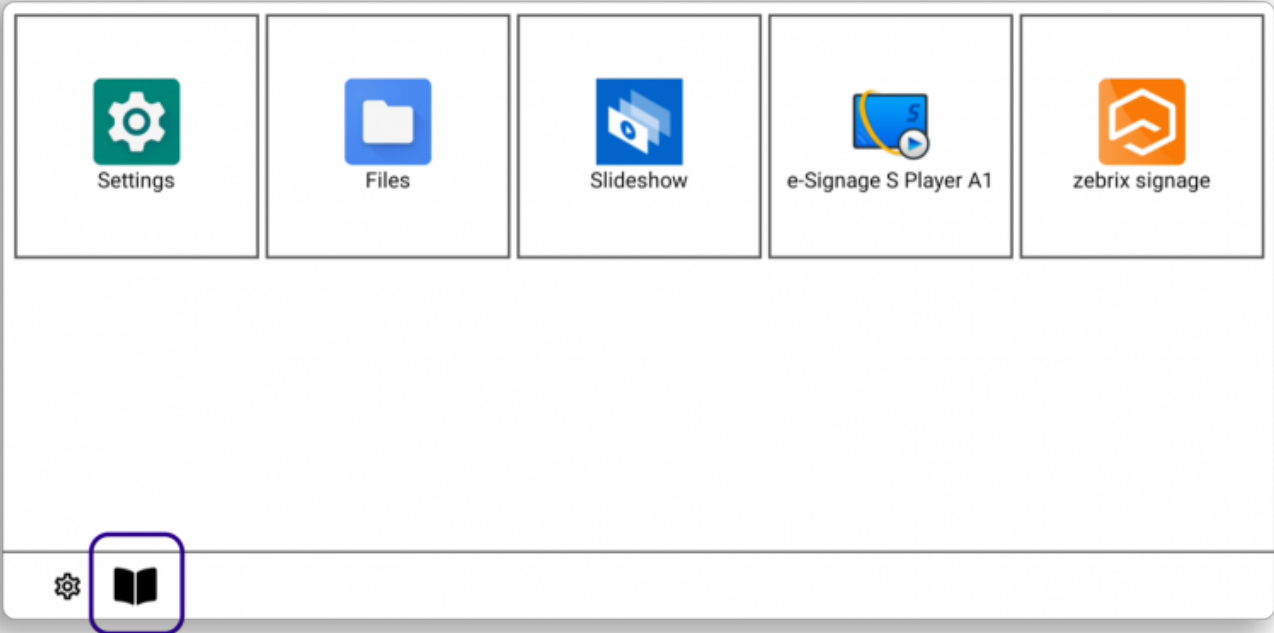
Click "Set" to enable developer mode, then close the app.

==== Step 2: Install and Configure the "Zebrix Signage" Application with ADB and Screencopy
==== Run the script "einkinstall/win.ps1" from the eink installation folder using a PowerShell terminal: `.<einkinstallationfolderpath>\installeinkwin.ps1 <ipaddress> zebrix-eink-latest.apk`====
Step 3: Set the "Zebrix Signage" Application as Default ==== A new app will open:

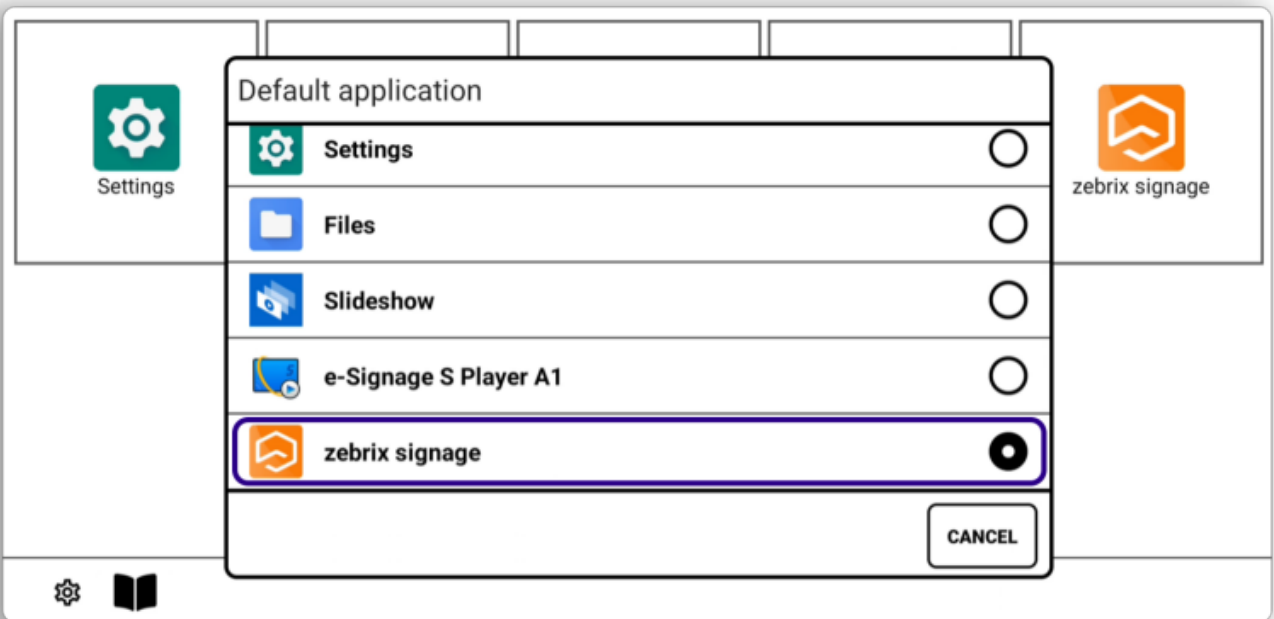
[Click the circular button at the bottom of the window](#)



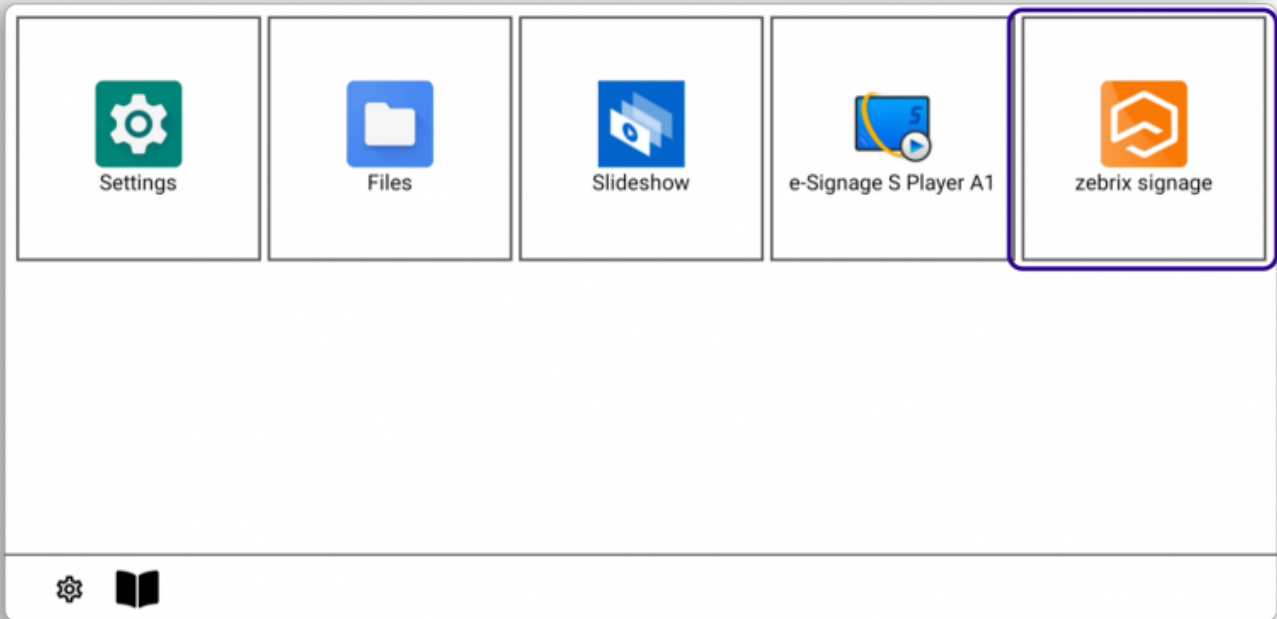
Click the book icon at the bottom left from the device interface via screencopy



Click on the “Zebrix Signage” application and close the popup



Finally, launch the “Zebrix Signage” app from the list on the home screen



Information Section:

1. Open PowerShell as Administrator:

Click Start > type PowerShell > click Run as Administrator.

Allow script execution: Type this command and press Enter:

```
Set-ExecutionPolicy RemoteSigned
```

If a confirmation message appears, type Y (for "Yes") and press Enter.

2. Reset a Sharp Screen:

Disconnect all USB-C cables (power and ADB)

Hold down the pairing button and insert the USB-C power cable, keep holding the pairing button until the red LED starts blinking.

3. How to Launch Screencopy to Access the User Interface

Open a PowerShell terminal

Connect to the screen via ADB using the command: `adb connect <ip_address>:5555`

Run the command: `scrcpy`

From: <https://documentation.zebrix.net/> - **zebrix documentation**

Permanent link: https://documentation.zebrix.net/doku.php?id=en:comment_deployer_un_ecran_eink_sharp_android_sous_zebriix

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