# 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.

EP-C251, C13	1 Service Tool	
		Ver 1.0.2.7
Move the mouse cursor on the button, then the explanatio	n of each function is displayed	1.
Setting	Firmware Update Tool	E-Ink Module Data
Serial Number / Region EP Service Assistant Tool	Firmware Update Tool	T1000_AP
		Language: English 🗸

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	
	<pre>"DefaultApp": "com.tpv.slideshow", "WiFiSetting": {     "NetworkEnable": "on",     "SSID": "",     "Security": "",     "DHCP": "on",     "IPAddress": "",     "Gateway": "",     "SubnetMask": "",</pre>	
L	"DNS": "" }, "BTSetting": "off"	
l	"Language": "", "NetworkTime": "off",	
l	"Time": "0:00", "Timezone": "",	
	"TemperetureMode": "off", "KeyLockEnable": "off",	
3	"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 ===

EP Service Assistant Tool					- ×
<ul> <li>Get Log</li> <li>Backup / Restore settings</li> <li>Slideshow Settings</li> </ul>	App Sett Default App	ings	×	Import	Export
Panel Settings					
e-Signage S player A1	Network	Settings			
Status	Bluetooth	Use Bluetooth		•	
Service Assistant Tool	Wireless LAN	Use Wireless LAN		•	
		AP Connect setting	SSID		
			Security	¥	
			Password		
		DHCP			
		IP Address			

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"

P Service Assistant Tool				-
Get Log	About m	nonitor	Receive	J
🕞 Backup / Restore settings	Model	Model		
<ul> <li>Slideshow Settings</li> </ul>	Serial No.			
<ul> <li>Panel Settings</li> </ul>	Panel Info			
e-Signage S player A1	Storage			
Status	Wireless LAN	IP Address		
Service Assistant Tool		MAC Address		
	Bluetooth	Device Name		
		MAC Address		
	Data Encryption	1		
	Firmware Versio Waveform Vers	on ion		

Click "Receive" to get the device information



#### 5. Enable Debug Mode (ADB)

Go to the "Service Assistant Tool" tab

EP Service Assistant Tool			- ×
Get Log	Service Assistant	ТооІ	
<ul> <li>Backup / Restore settings</li> <li>Service Assistant Tool</li> </ul>	Version	SHARP EP Service Assistant Tool Ver.1.1.2.2 Copyright(C) 2023 SHARP CORPORATION. All rights reserved.	
	Languages (言語)	English •	
	Use encryption key*	۲	
	Debug mode setting		
	Enable	Set	
	* Debug mode is switche	d to disable automatically when turning power of a unit ON.	
			_

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 "einkinstallwin.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

EP-C131				-
3:25 AM 🛈 🍷 🕬 🔵	)			
EP-C131				
Panel Height : 1200 Panel Width : 1600				
		Please plug-in flash drive		
Rotation	0°	File path : FlashDrive/		
Key lock		Sildeshow/		
Power Save mode				
Auto-slide				
Loop time(s)	30			
	_			
NEXT				

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

Settings	Files	Slideshow	e-Signage S Player A1	zebrix signage
*				

### Click on the "Zebrix Signage" application and close the popup

	Default application		
Settings	Settings	0	
Settings	Files	0	Zebrix signage
· · · · · ·	Slideshow	0	
	e-Signage S Player A1	0	
	zebrix signage	0	
	_	CANCEL	
\$\$	<u></u>		

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

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