

ESP32 Instax Printer Emulator

System Information

Uptime: 1h 32m 20s Reset Reason: Power-on
 IP Address: 192.168.10.21 mDNS: instax-simulator.local
 Tip: Bookmark <http://instax-simulator.local> to access this page without needing the IP address. The IP is also shown in the BLE device name when scanning from iOS.

BLE Status & Failures

BLE Resets: 0 Last Reset: None
 Disconnects: 0 Last Disconnect: None

BLE Advertising

Advertising

[Start Advertising](#) [Stop Advertising](#) [Dump Config to Monitor](#)

Device: INSTAX-20555555(iOS) Model: wide
 Battery: 75% Photos: 8 remaining
 Resolution: 1260x840 Lifetime: 94 prints

Device Information Service (BLE GATT)

Model Number: **Serial Number:**

Firmware Revision: **Hardware Revision:**

Software Revision: **Manufacturer Name:**

[Save DIS Values](#) [Reset to Model Defaults](#)

Printer Settings

Printer Model Reference

| Model | BLE Model # | Resolution | Print Size | Film Type |
|-------------|-------------|------------|-------------|---------------|
| Mini Link | FI033 | 600x800 | 62mm x 46mm | Instax Mini |
| Square Link | FI017 | 800x800 | 62mm x 62mm | Instax Square |
| Wide Link | FI022 | 1260x840 | 99mm x 62mm | Instax Wide |

Note: Official apps filter by BLE Model Number. Set the correct model to ensure your app can discover the printer.

Model:

Device Name: [Apply](#)

Quick presets: [Numeric](#) [Simulator](#)

Battery: 75%



Prints Remaining: [-](#) [+](#) [Set](#)

Maximum 15 (protocol uses 4-bit field)

Charging

✓ Suspend Print Count Decrement (Unlimited Testing)

When enabled, print count won't decrease after printing

Newly Discovered Features (Dec 2025)

Protocol Status: Auto-sleep timeout: **Never**

Print Mode: **Natural (0x03)**

These values are set by the app (Moments Print) when connecting/printing. Changes are logged in real-time.

Error Simulation

Cover Open (Error 179)

Printer Busy (Error 181)

Note: Error 178 (No Film) = Set prints to 0
Error 180 (Battery Low) = Set battery below 20%

Accelerometer (Link 3)

X-Axis (tilt left/right): 0



Y-Axis (tilt forward/back): 0



Z-Axis (rotation): 0



Orientation:

[Reset to Neutral](#)

Camera Control (Link 3)

Simulate pressing the power button to trigger camera shutter

[Press Shutter](#)

Upload Image

[Choose File](#) **no file selected**

[Upload](#)

Received Prints

[Refresh](#) [Delete All](#)

print_223.jpg (104.6 KB)

[View](#)

[Download](#)

[Delete](#)

Print Status

Ready

Documentation

Project documentation and guides:

[INSTAX Protocol Documentation](#)

Complete BLE protocol specification with packet formats and sequences

[ESP-IDF Installation Guide](#)

Step-by-step instructions for installing ESP-IDF development environment

[Project README](#)

Project overview, features, setup instructions, and testing guide