

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:

FI022

20555555

Firmware Revision:

Hardware Revision:

0100

0001

Software Revision:

Manufacturer Name:

0002

FUJIFILM

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 × 46mm	Instax Mini
Square Link	FI017	800x800	62mm × 62mm	Instax Square
Wide Link	FI022	1260x840	99mm × 62mm	Instax Wide

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

Model:

Wide (1260x840)

Device Name:

INSTAX-20555555(IOS)

Apply

Quick presets:

Numeric

Simulator

Battery: 75%

Prints Remaining:

-

8

+

Set

Maximum 15 (protocol uses 4-bit field)

☐ Charging

<http://instax-simulator.local/>

☒ 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: 0

Reset to Neutral

Camera Control (Link 3)

Simulate pressing the power button to trigger camera shutter

Press Shutter

Upload Image

Choose Fileno file selected

Upload

Received Prints

RefreshDelete All

print_223.jpg (104.6 KB)	View	Download	Delete
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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