



Mesh-Plug + Meshtastic

Known-Good Baseline & Hard Reset Playbook

This guide documents a stable, repeatable baseline for using Mesh-Plug with Meshtastic, and provides a fast recovery checklist when nodes, chat, or position data stop responding.

Quick Recovery Checklist (One Page)

Use this any time chat, nodes, or position stop working.

1. Power-cycle the radio (mandatory)

- Disconnect USB or battery
- Wait 10–15 seconds
- Reconnect power

2. Choose ONE controller

- Android recommended as primary controller
- Fully close other Meshtastic apps (macOS, etc.)

3. Wait for gateway initialization

- Allow 30–60 seconds after reconnect
- Look for NodeInfo and position packets

4. Verify MQTT is healthy

- Confirm uplinks under `msh/+/json/#`
- Ensure MQTT channel exists with Downlink enabled

5. Open Mesh-Plug last

- Nodes should populate immediately
- Chat and position should resume

If this fails, repeat from step 1.

Known-Good Baseline Configuration

Hardware

- Single Meshtastic radio acting as gateway
- Stable power source

Controller App

- Android preferred as authoritative controller
- Do not hot-swap controllers without rebooting radio

MQTT Settings

- Root topic consistent (example: msh)
- JSON enabled
- Downlink enabled

Channels

- Channel name: mqtt
- Uplink and Downlink enabled

Mesh-Plug

- Correct MQTT URL and root topic
- Gateway Hex set manually if auto-detect fails

Healthy State Indicators

- Nodes table populated
- Chat messages visible
- Position updates on map