

☐☐ Start Here — Meshtastic Repeater's Guide

This book covers Meshtastic infrastructure nodes - the ROUTER and REPEATER roles (and ROUTER_LATE) - from site selection through deployment, configuration, monitoring, and maintenance. (Note: the older ROUTER_CLIENT role was deprecated and removed in firmware 2.3.15 — use ROUTER or ROUTER_LATE instead. As of firmware ~2.7.x the REPEATER role is also deprecated; for most infrastructure the current recommendation is ROUTER. See the role pages for details.)

☐☐ Where to Start

1. [What is a Meshtastic Repeater?](#)
2. [ROUTER vs REPEATER vs ROUTER_LATE: When to Use Each](#) - Critical decision before you configure anything. This is the canonical role-decision page; start here for which role to pick.
3. [Choosing a Repeater Location](#)

A note on the role pages: several pages in this book discuss role selection (Device Roles Explained, the Deep Dive, and Router vs. Repeater: Which to Choose). Treat "ROUTER vs REPEATER vs ROUTER_LATE: When to Use Each" above as the authoritative, current-firmware reference; the other role pages provide background but predate the ROUTER_CLIENT removal (2.3.15) and REPEATER deprecation (~2.7.x), so where they disagree, follow the canonical page.

☐☐ What's In This Book

Roles and Role Configuration

- [Device Roles Explained](#)
- [Router & Repeater Roles: Deep Dive](#)
- [Rebroadcast Mode: ALL SKIP_DECODING](#)

- [Hop Limit Configuration for Repeaters](#)
- [Fixed Position for Repeater Nodes](#)

Site Planning and Setup

- [Choosing a Repeater Location](#)
- [Antenna and Signal Range Factors](#)
- [Initial Setup Walkthrough](#)
- [Channel Configuration for Infrastructure Nodes](#)
- [Legal Considerations](#) - FCC power and antenna rules before you transmit

Advanced Features

- [Store and Forward](#) - Message persistence for offline nodes
- [Position and Telemetry for Infrastructure Nodes](#)

Network Reliability and Redundancy

- [Designing for Reliability: N+1 Redundancy](#)
- [Planned Maintenance Procedures for Live Networks](#)
- [Channel Utilization Management](#)

Monitoring and Maintenance

- [Remote Monitoring a Meshtastic Repeater](#)
- [Firmware Updates on Deployed Repeaters](#)
- [Troubleshooting a Misbehaving Repeater](#)

➔ Related Books

- [Meshtastic](#) - Protocol, configuration, and app guide
- [Room Servers & Gateways](#) - MQTT gateways
- [Solar & Power Systems](#) - Powering outdoor repeaters

- [Network Planning](#) - Coverage planning and topology design
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