

☐☐ Start Here — Meshtastic Guide

Meshtastic is the most widely deployed LoRa mesh platform - it has the largest community, the most hardware support, and excellent mobile apps for Android and iOS. It uses flood-based mesh routing and is ideal for both personal use and community networks.

☐☐ New to Meshtastic? Start Here

1. [Meshtastic Setup Guide](#) - First-time setup walkthrough
2. [Initial Node Configuration Checklist](#) - Everything to configure before going live
3. [Meshtastic Android App Overview](#) or [iOS App Overview](#)
4. [Understanding What You're Seeing in the App](#)

☐☐ What's In This Book

How Meshtastic Works

- [Meshtastic Flooding Mesh Protocol Explained](#)
- [Node IDs, Addresses, and Naming](#)
- [How Meshtastic Channels Work](#)

Device Roles

- [Personal Device Roles](#) - CLIENT, CLIENT_MUTE, CLIENT_HIDDEN
- [Infrastructure Roles: ROUTER and REPEATER](#)
- [Specialized Roles](#)

Configuration Reference

- [LoRa Settings Reference](#) - Every radio setting explained
- [Choosing the Right Modem Preset](#) - LongFast vs LongSlow vs ShortFast, etc.
- [Device Configuration Settings](#)
- [Power Configuration Settings Reference](#)
- [Advanced Configuration for Infrastructure Nodes](#)

Channels and Encryption

- [Understanding Channels and PSKs](#)
- [Creating Private Channels](#)
- [Channel Strategy for Community Networks](#)
- [PKC Direct Messaging \(v2.5+\)](#) - End-to-end encrypted DMs
- [Channel Number Selection Guide](#)

MQTT and Internet Connectivity

- [Meshtastic MQTT Setup](#)
- [MQTT Topic Structure and Packet Format](#)
- [Preventing MQTT Message Loops](#)
- [Building a Meshtastic Internet Gateway](#)

Modules and Integrations

- [Telemetry Module: Device, Environment, and Power](#)
- [Store and Forward Module](#)
- [Home Assistant Integration via MQTT](#)
- [Node-RED Flows for Mesh Automation](#)
- [Meshtastic Python Scripting](#)

Network Diagnostics

- [Traceroute and Path Diagnostics](#)
- [Neighbor Info and Signal Mapping](#)
- [Building a Meshtastic Network Map](#)
- [Common Network Problems and Solutions](#)

➔ Related Books

- [Meshtastic Repeaters](#) - Setting up ROUTER and REPEATER nodes
- [Room Servers & Gateways](#) - MQTT gateways and internet bridges
- [Hardware Guide](#) - Choosing and buying hardware
- [Solar & Power Systems](#) - Powering your nodes

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