Getting started with InfiNet Wireless R5000

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Document structure

This document consists of the following chapters:

- "Getting started" - This chapter presents the information about this document's purpose and structure
- "System Description" - This chapter describes the hardware, accessories and technical specifications of the **InfiNet Wireless R5000**
- "Installation" - This chapter describes the steps to be taken when installing the equipment at the installation sites and installation site requirements
- "Configuration procedure" - This chapter includes basic recommendations for primary link configuration, including interfaces configuration and MINT protocol usage. Also there is a description of how to perform basic manipulations with device's configuration including its updating, importing and exporting
- "Link Configuring" - The chapter contains basic recommendations for making preliminary choices and decisions while planning and deploying a wireless network based on InfiNet Wireless Devices. It also describes a set of tools that can help while improving the link quality and statistics gathering
- "Troubleshooting and Recommendations" - This chapter presents the actions to be followed when investigating an occured problem and some recommendations.

Abbreviations

The following abbreviations are used in this document:

- AC - Alternating Current

- BOM - Bill of Materials

- BS - Base Station

- CLI - Command Line Interface

- CPE - Customer Premises Equipment

- DC - Direct Current

- DFS - Dynamic Frequency Selection

- ERC - Emergence Repair Console

- ETH - Ethernet

- FDD - Frequency Division Duplexing

- FTP - File Transfer Protocol

- FTP cable - Foil Twisted Pair cable

- GUI - Graphical User Interface

- IDU - Indoor Unit

- IP - Internet Protocol

- IPIP - IP-in-IP Protocol

- LAN - Local Area Network

- LED - Light Emitting Diode

- LOS - Line of Sight

- LPU - Lightning Protection Unit

- MAC - Media Access Control
- MIMO - Multiple Input Multiple Output
- MINT - Mesh Interconnection Networking Technology
- NAT - Network Address Translation
- NLOS - Non-Line of Sight
- ODU - Outdoor Unit
- PoE - Power over Ethernet
- PtMP - Point to MultiPoint
- PtP - Point-to-Point
- QoS - Quality of Service
- RF - Radio Frequency
- RIP - Routing Information Protocol
- SID - System Identification Number
- SSL - Secure Sockets Layer
- STP - Spanning Tree Protocol
- TCP - Transmission Control Protocol
- TDD - Time Division Duplexing
- TDMA - Time Division Multiple Access
- Telnet - TrminaL Network

Document marks

> **CAUTION**
>
> All caution warnings are marked with a special warning sign. One should pay a great deal of attention to what is written in the Caution section.

> **NOTE**
>
> All notes are marked with a special note sign. Notes usually contain useful comments or hints to the described section of the document.

Additional Information

Additional information which is not included in this Manual can be found in the following sources:

- InfiNet Wireless R5000 - WANFleX OS User Guide
- R5000 Series WEB GUI User Manual
- Our web-site: www.infinetwireless.com
- Our support site: http://sd.infinet.ru.