

Digital Microwave Radio



[Spread Spectrum Microwave Link](#)

The ML2.4 Spread Spectrum SHF Link can be used wherever a secure voice and data radio link must be simply and quickly set up. This is mainly for tactical deployment involving authorities and security personnel or for relief organisations in disaster situations as well as for the military.



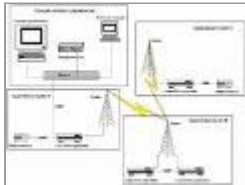
[CODAN Digital Microwave Radio](#)

The CODAN Digital Microwave Radio (DMR) provides 16 E1 (16 DS1), E3 (DS3), and 10/100BaseT ETHERNET transmission on an indoor unit and outdoor unit hardware platform. This is common across the entire frequency range from 7 GHz to 38 GHz.



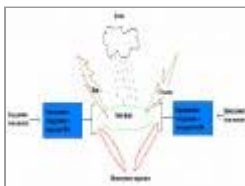
[Digital Microwave Radio Frequency Allocations and Band Plans](#)

Both FCC and ETSI radio standards define Transmit (Tx), and Receive (Rx) frequencies. The spacing between the Tx and Rx frequencies is known as the duplex frequency and may vary depending on the frequency range and the applicable standards.



[Microwave Link Network management principals](#)

This document provides an overview of the principals of network management for a CODAN Digital Microwave Radio (DMR) network. The content is aimed at a non-technical reading audience.



[CODAN 8800 DMR Forward error correction](#)

Whenever digital information is transmitted by radio, external negative influences can cause errors in the data. These influences may be attenuation of the received signal caused by high rainfall, interference caused by other transmitting devices, or unwanted reflections.

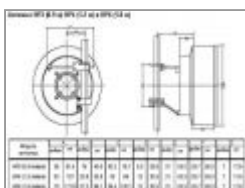
[Digital Microwave Radio Path Calculations](#)

In order to calculate Digital Microwave Radio DMR path please download the path calculations spreadsheet.



[CODAN 8800 DMR MINet overview](#)

A network management system (NMS) is a system that monitors the status of elements within a given network. It adjusts their parameters as necessary to ensure proper communications and displays network elements and their attributes.

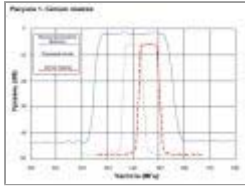


[Digital Microwave Radio Antenna Solutions](#)

Radio Waves is a proven supplier of innovative, high quality, competitively priced microwave antennas. Radio Waves was founded in 1983 and manufactures antennas for Internet Service Providers, cellular/GSM base station interconnects, campus environments and private networks. Radio Waves manufacture their products from its Billerica, Massachusetts headquarters and also has a assembly facility in the United Kingdom to service the European and African markets.

[CODAN 8800 Adjacent channel interference](#)

Adjacent channel interference is caused by unwanted power received from an adjacent



channel transmitter. It may cause diminished performance of the target receiver.

**[CODAN 8800 series DMR
Technical Reference Manual](#)**

Download CODAN 8800 Digital Microwave Radio DMR Technical Reference Manual

Digital Microwave Radio

<http://digital-microwave-radio.at-communication.com/en/>