



The packet consists of these fields:

- **Preamble** - a series of alternating 1s and 0s
- **Source IP Address** - the IP address of the machine that sent the data to the transmitter
- **Transmitter IP Address** - the IP address of the machine transmitting the data
- **SN** (8 bits) - the sequence number of the packet. Since each packet is transmitted 30 times, this is a number between 1 and 30
- **Data Length** (16 bits) - the number of bytes of data contained in the packet
- **Reserved** (8 bits) - reserved for future use
- **MD5 Checksum** - the MD5 checksum of the data calculated prior to transmission
- **Data** - the data payload of the packet; at most 4096 bits