0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

Preamble

Source IP Address

Transmitter IP Address

SN	Data Length	Reserved

MD5 Checksum

(The Preamble through MD5 Checksum fields are braced as **Header**.)

Data

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 bits 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