

LASERNET

We propose to build a laser communication system consisting of a transmitter and receiver. Our baseline goal will be to successfully transmit an audio message across the room over a laser connection in close-to-real time. There are a number of extensions to this baseline -- we might implement two-way communication to make a simple laser telephone. Once that's done, it should be straightforward to add more nodes and construct a small local area network (a "laser internet") using internet protocol, complete with packet headers, error correction, and so on.