

Theory of operation

The PBS base station is responsible for synchronizing all the other parts of the system and transmitting data to and from the PC connected to it. The GPS receiver in the PBS is used as an absolute timing and clock source. Amplifier block: The amplifier box is connected to the PBS via a proprietary control protocol. Two of the four RF connectors are used as transmit and receive channels to the amplifier. The other two SMA connectors are disabled (Internally, physically disconnected). The fifth RF port is for the GPS receiver.