VI-Navi (version 2)

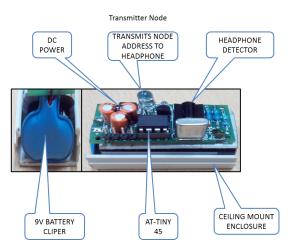


Figure: The Tx module of the indoor navigation system which is ceiling mounted.

Specifications of VI-Navi

Transmitter Node (Ceiling mounted)

- ▶ Transmitter nodes mainly consists two components for communication with Receiver Module:(a) IR Transmitter (IR LED) and (b) IR Receiver (TSOP 1738).
- ATTiny45 Microcontroller is used to generate modulated frequency for the IR LED.
- It sends its address by using IR LED.
- It is estimated to work well for 3 months with 9V battery.

VI-Navi (version 3)



Figure: Ver 3: Mounting the device on a headphone and placing it in an enclosure for protection.

VI-Navi (version 4)



Figure: Ver 4: Form factor of hardware was reduced by replacing components from DIP to SMD and double side component population.

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