

LaanTen Tech



LaanTen is a smart lamp that can be controlled via a mobile app. Simply connect the laanten app with your lamp and dive in the sea of colors.

LaanTen uses a very special frequency segregation technology that enables this lamp to respond to music beats when played on your smart phone. The LaanTen uses an Atmega16 as a microcontroller. There is a two-way communication between the app and the device. We have used the Bluetooth module HC-05 for this purpose. Further, all the processed data is sent from the Arduino mobile app to the Atmega 16. The Arduino app sends the FFT data to the Atmega 16. The amplitude and the frequency data are used to determine the brightness and the color of the light respectively.