

CONTENTS

- ABSTRACT
- INTRODUCTION
- METHODOLOGY
- BLOCK DIAGRAM
- FLOWCHART
- ADVANTAGES AND DISADVANTAGES
- APPLICATION
- CONCLUSION

ABSTRACT

The Bluetooth water controller pump using STM 32 microcontroller is a device that allows users to remotely control and monitor their water pumps through a Bluetooth connection. The device is powered by an STM 32 microcontroller, which provides efficient and reliable performance. With the help of a mobile application, users can turn the water pump on or off, set timers, and adjust the water flow rate. The device also features sensors that measure the water level and temperature, providing real-time data to the user. This Bluetooth water controller pump is an innovative solution that makes water management more convenient and efficient. This device is designed to be user-friendly and easy to install. The Bluetooth water controller pump can be connected to any water pump, regardless of its size or type. The mobile application that accompanies the device is available for both Android and iOS platforms and can be downloaded from the respective app stores. The Bluetooth water controller pump is a perfect solution for those who want to save time and energy in managing their water pumps. With this device, users can remotely control their water pumps, eliminating the need to physically turn the pump on or off. The device also allows users to set timers, ensuring that the water pump runs only when needed. The sensors integrated into the device provide real-time data on water level and temperature, allowing users to monitor their water usage and make informed decisions about water management. This feature is particularly useful for those who have a limited supply of water or are trying to conserve water. In conclusion, the Bluetooth water controller pump using STM 32 microcontroller is an innovative device that provides users with a convenient and efficient way to manage their water pumps. With its user-friendly interface and real-time data monitoring, this device is an essential tool for anyone who wants to save time and energy while managing their water supply. Additionally, the device has a compact design and can be easily installed without the need for professional assistance. It also has a long battery life, ensuring that users do not have to constantly replace the batteries. The Bluetooth water controller pump is also equipped with safety features, such as automatic shut-off in case of low water levels or high temperatures. This ensures that the pump does not run dry or overheat, preventing damage to the pump and potential safety hazards. Overall, the Bluetooth water controller pump is an excellent investment for anyone who wants to streamline their water management process and save on time and energy costs. With its advanced features and ease of use, this device is a must-have for anyone looking to improve their water management practices.