

Bluetooth Control for Arduino Projects

Bluetooth is highlighted as an effective method for data transfer and gadget control via smartphones. A critical issue arises regarding voltage levels: the Bluetooth module operates at 3.3V logic levels while the Arduino uses 5V. To resolve this, a voltage divider is necessary to convert 5V signals from the Arduino to 3.3V for compatibility with the module, utilizing specific resistor values. The S2 Terminal app is recommended for controlling devices via Bluetooth due to its simplicity and effective ASCII conversion.