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Nota di contenuto	Cover ; Copyright; Credits; About the Author; About the Reviewers; www.PacktPub.com; Table of Contents; Preface; Chapter 1: Arduino and iOS - Platforms and Integration ; Hardware and software requirements; Hardware requirements for the Arduino platform; Software requirements for the Arduino platform; Hardware requirements for the iOS platform; Software requirements for the iOS platform; Arduino and the development environment setup; IDE installation; iOS and the development environment setup; Xcode installation; Communication methods between Arduino and iOS devices; TCP/IP versus Bluetooth SummaryChapter 2: Bluetooth Pet Door Locker ; Door locker requirements; Hardware; Required materials and electronics components; Assembly latch and servo motor; Electronic circuit; Arduino code; Installing additional required libraries; Initializing global variables and libraries; Setup code; Main program ; Testing and tuning the Arduino side; iOS code; Creating the Xcode project; Designing the application user interface for BLEConnectionViewController ; Designing the application user interface for PetDoorLockerViewController ; Writing code for BLEConnectionViewController Writing code for PetDoorLockerViewControllerTesting the iOS app; How to go further; Different types of sensors; Summary; Chapter 3: Wi-Fi Power Plug ; Wi-Fi power plug requirements; Hardware; Additional electronics components; Electronic circuit; Arduino code; Setup code;

Main program ; iOS code; Creating the Xcode project ; Adding a new view controller ; Adding a class for storing the information of each activation ; Designing the application user interface for WiFiConnectionViewController ; Designing the application user interface for PowerPlugViewController  
Designing the application user interface for ActivationsTableViewController Writing code for the WiFiConnectionViewController; Writing code for AppDelegate; Writing code for PowerPlugViewController; Writing code for ActivationsTableViewController; Writing code for ActivationTableViewController; Testing and tuning; How to access the power plug from anywhere in the world; Port forwarding; Dynamic DNS; How to go further; Summary; Chapter 4: iOS Guided Rover ; iOS guided rover requirements; Hardware; Additional electronic components; What's an accelerometer?; Electronic circuit  
How to make the rover turnHow to mount the accelerometer; Arduino code; Setup code; Motor control functions; Main program; iOS code; Creating the Xcode project ; Writing code for BLEConnectionViewController; Writing code for RoverViewController; Code to control the rover manually; Testing the Rover with manual driving; Code for controlling the rover by the means of the iOS accelerometer; Driving the rover by the means of the iOS device movement; Code for controlling the rover by voice commands; Driving the rover by voice commands; Testing and tuning; How to go further; Summary  
Chapter 5: TV Set Constant Volume Controller

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