

# Electronics Projects with the ESP8266 and ESP32

## Updates

**Listing5-3** is based on version 2.8.0 of the *IRremote* library for the ESP32 microcontroller.

**Listing5-3\_NEW** is based on version 3.0.2 of the *IRremote* library.

Library version 3.0.2 instruction `IrReceiver.begin(IRpin)` replaces library 2.8.0 instructions `IRrecv irrecv(IRpin), decode_results reading` and `irrecv.enableIRIn()`. The library version 3.0.2 instruction `if(IrReceiver.decode())` replaces the instruction `if(irrecv.decode(&reading))`.

Received data is accessed in library version 3.0.2 from `IrReceiver.decodedIRData` (protocol, command and numberOfBits), rather than from `reading(decode_type, value and bits)` in library version 2.8.0.

**ESP32 analog input** (pages 632-633) The GPIO pins 0, 2, 4, 12, 13, 14, 15, 25, 26 and 27 are also available for analog input, but not when Wi-Fi is in use.

**ESP-MESH** protocol could be included in Chapter 14: *ESP-NOW and LoRa communication*, but the book already covered many topics and a line had to be drawn somewhere.

Details of ESP-MESH with sketches are included in the folder *ESP-MESH*.

## Corrections

Despite repeatedly checking the page proofs, some typos persevered.

If you find other typos, then please use *GitHub Issues* to log the typo.

Page 28 Figure 2-1	change TX to RX and change RX to TX
Page 96 text first line	change 13, 14 and 15 to S0, S1 and S2
Page 96 text line 4	change 14 and 15 to S1 and S2
Page 172 text line 7	change <code>R" (=== and ===) "</code> to <code>R"=== ( and ) ==="</code>
Page 174 lines 1 and 3	change Listing 7-2 to Listing 7-3
Page 175 line 1	change <code>variable</code> to <code>variab</code>
Page 207 text line 1	delete "or app"
Page 233 line 11	change <code>servoFb.write(N)</code> to <code>servoFB.write(N)</code>
Page 505 last line	change resistor R1 is R2× to resistor R2 is R1×
Page 588 listing line 3	in the comment, change Wi-Fi to Wi-Fi
Page 599 text line 3	change Listing 20-2 to Listing20-3