



## INCLUDES

• mbed - LPC1768 (Cortex-M3) (with USB cable)
• White Solderless Breadboards
• Serial Miniature LCD Module – 1.44" (with Hookup cable)
• TRRS 3.5mm Jack Breakout (with headers)
• Triple-Axis Accelerometer Breakout – MMA8452Q (with headers)
• microSD Transflash Breakout (with headers)
• USB Type A Female Breakout (with headers)
• USB Mini-B Breakout (with headers)
• RJ45 Ethernet MagJack Breakout (with headers)
• 16GB microSD Card with SD Adapter (Class 10)
• microSD USB Reader
• Speaker – PCB Mount
• TMP36 Temp Sensor
• Transistor – NPN (2N3904)
• Jumper Wires
• CAT 6 Cable – 3ft
• Tri-color LED
• Big 12mm Buttons
• 330 and 10K Resistors

## EXAMPLES

• Circuit 1: Blink an LED
• Circuit 2: Buttons and PWM
• Circuit 3: Graphic LCD
• Circuit 4: Accelerometer
• Circuit 5: Internet Clock
• Circuit 6: USB Host and Threading
• Circuit 7: USB Device
• Circuit 8: Temperature Logging
• Circuit 9: PWM Sounds
• Circuit 10: Hardware Soundboard