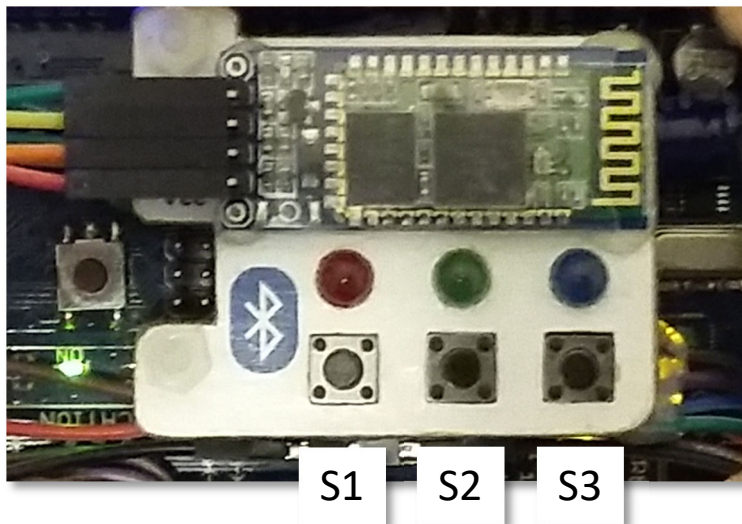


HexaBot – Demo Functions - Keypad



Features:

- Bluetooth control from Android phone/tablet
- Servo controlled ultrasonic range sensor
- Motion via x2 servos per leg
- Independent autonomous behaviour
- x16 RGB LEDs give motion feedback



Button Functions

Button	Functions
	Power-on – RGB LEDs rotating blue glow
S1	Long press stand up/sit down + reset
S1	Once – centre head
S1	Twice – head scans with ultrasonic ranging
S1	Three – head centre with ultrasonic + LED bar graph
S2	Once – normal slow mode, minimum stride
S2	Twice – normal quick mode, maximum stride
S2	Three – carpet slow mode, min stride, max lift
S2	Four – carpet quick mode, max stride, max lift
S3	Long press drops out of autonomous modes
S3	Once – backs away from target to max distance
S3	Twice – approaches target to minimise distance
S3	Three – tracks target forwards/backwards
S3	Four – Full autonomous independent mode

HexaBot – Demo Functions – Bluetooth device



L1 L2 L3
HLA BT



Features:

- Bluetooth control from Android phone/tablet
- Servo controlled ultrasonic range sensor
- Motion via x2 servos per leg
- Independent autonomous behaviour
- x16 RGB LEDs give motion feedback

Button Functions

Button	Functions
	Power-on – RGB LEDs rotating blue glow
0	Bluetooth enable/disable
1	Stand up and rest
2	Toggle tortoise slow (default)/fast modes
3	Toggle stride height low (default)/high
4	Toggle stride reach short (default)/wide
5	Toggle head scan OFF (default)/ON
6	Toggle LEDs OFF (default)/ON
7	Toggle auto-back-off OFF (default)/ON
8	Toggle autonomous OFF (default)/ON
9	Start/stop tiltpad motion demand sending
10	RESET tank and controller to defaults
L1	Head motion enabled lamp
L2	LED patterns enabled lamp
L3	Autonomous mode enabled lamp