

Talking Head – Demo Functions



Features:

- Talks with LED mouth synch
- Moves head side to side, and eyebrows up and down
- Plays any audio from an SD card
- Music jukebox, Quiz and autonomous master modes
- Autonomous sensing via ultrasonic sensors.

Button Functions



'Soft' RESET from all modes, sets some default values



Mute audio, or inhibit movement (1+) and LED's (2+)



Numeric keys are used to select playlist mode, if followed by 'OK', or music tracks when in jukebox mode.



Initiates playlist after a number has been entered, and used to step forward in Quiz mode.



Initiates 'Jukebox' mode



Initiates 'Quiz' mode



Initiates 'Independent' mode



Gets Ed to repeat the numbers entered so far



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+ Keypad number followed by 'OK' enters a 'Mode'



Number Mode

- | Number | Mode |
|--------|---|
| 1 | Ed talks about the UTC |
| 2 | Ed talks about himself |
| 3 | Ed performs a sonar sweep test |
| 4 | Ed says random numbers 0 - 999 |
| 5 | Ed produces a sweeping tone, 100 Hz – 1 KHz |
| 6 | Ed talks to Ethan about Christmas, press 'OK' twice |