

## KURAKANI

Portable 16 Key Voice Output Communication Aid  
for cerebral palsy affected people



### Application

- Icon based educational and communication aid for cerebral palsy affected persons.
- Describes an action / object / activities / event etc.
- Asking for information on objects / actions.
- Used for conversation / communication.
- Can be useful by patients in nursing home.
- As a communication aid for speech impaired people.
- As a communication aid for aged people.
- Entertainment by playing recorded music, short dialogue, rhymes etc.

## **Salient Features**

- (a) Mixed signal Micro Controller based design with high resolution ADC & DAC.
- (b) Instant recording through microphone.
- (c) Battery operated low power equipment.
- (d) Auto power cut facility to reduce undesired power drainage.
- (e) Wav files can be recorded through serial Port of a PC.
- (f) Optional recording through line input.
- (g) Ergonomically designed key tops suitable for cerebral palsy affected people.
- (h) Provision for sticking relevant pictures on the key tops.

## **Technical specification**

- 1. Sixteen keys are provided. Audio of maximum one minute duration can be recorded against each key.
- 2. Separate switches are provided for power ON & OFF. Auto power off is preset for 5 minutes.
- 3. Play / Record Modes are selected through a dedicated switch.
- 4. Insertion of line input jack disconnects Mic input.
- 5. Side panel potentiometer is available for Line input level adjustment.
- 6. Six nos. of 1.2V, 700mAh Ni-Cd fully charged batteries are required for continuous 5 hour operation.

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