# Product Specification

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<th>Model</th>
<th>BRM20N</th>
<th>User-recordable module</th>
<th>Category</th>
<th>Modules for toy and hobby</th>
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## Feature
- Ideal for plush toy, or any kind of talking toys.
- Message retains when batteries are removed.
- Built-in microphone and LED recording indicator.
- Meets CE standard

## Operation
- **Record**: Slide the switch to the “REC” position. Press and hold the top of the housing. While the LED recording indicator is on, speak to the built-in microphone about 8-10cm away with a normal speaking volume. Release the top to end recording. (Recording automatic stops when memory is full.)
- **Play**: Slide the switch to the “PLAY” position, and press the top of the housing to play.

## IC Function
- 20 seconds voice recordable

## Trigger
- One shot playing

## Operation Current
- Recording $\leq 20$ mA / Playing $\leq 115$ mA

## Play time
- $\geq 200$ cycles (20 seconds recording, each cycle = record once and play once)

## Standby Current
- $\leq 1\mu$A

## Input / Switch
- Push switch, built-in microphone
- 3-section slide switch (record / off / play)

## Speaker Size / Type
- 40mm mylar speaker

## Loudness
- $\geq 85$dB at 10cm distance (surrounding at 60dB)

## Operation Voltage
- 4.5V

## Battery Type
- Replaceable AG13 (LR44) x3

## Size / Weight
- Diameter 45mm x 27mm height / 26g (battery included)

## Material
- ABS

Note: Actual product maybe different in operation current, play time, loudness, brightness, etc, depends on customization and custom sound.

Target user age group: N/A

Version: 03

Date: Sept. 30th, 2009