



Electronics - The fun starts here

KSBTS-03-V2 Bluetooth Speaker Project kit

Key Features:

This is our lowest cost Bluetooth Speaker Project. It uses a single speaker (“mono”), and includes an on-board Volume control. It can operate from 6V DC up to 12 V DC, though the standard kit comes with a 9V DC battery pack.

Bill of Material for kit

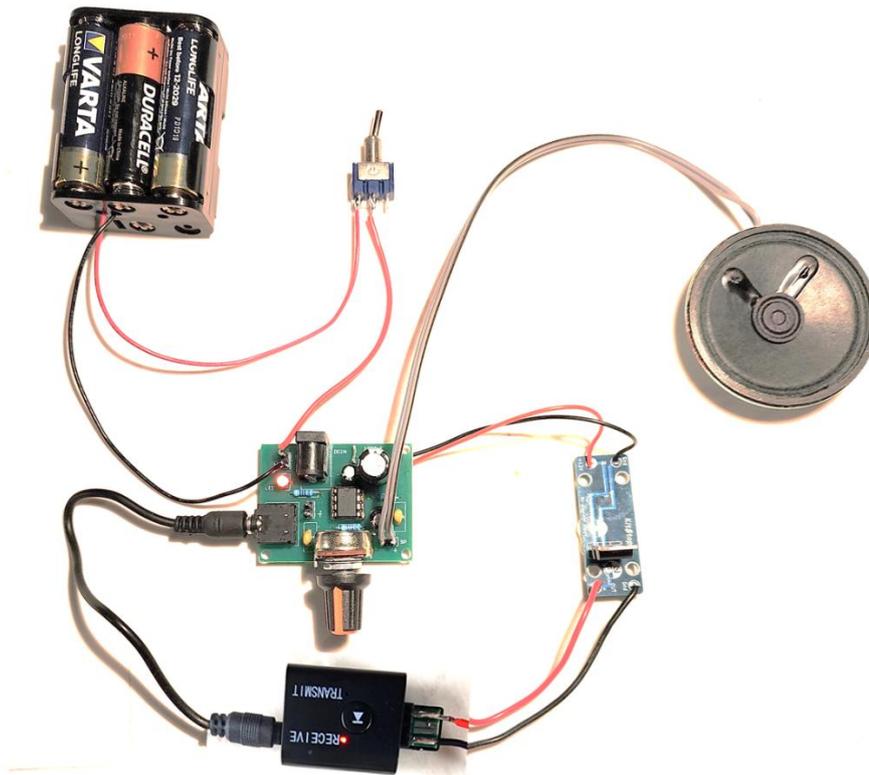
Kitstop P/N	KSBTS-03-V2
Description	Bluetooth 2W Mono
Last updated	26-Jul-25
Customer	
RRP	\$33.21
School Price	\$25.00

Item	Description	Qty per B/T Speaker
KSAA-03M	Audio Amp 1W - Mono	1
Battery Carrier	Battery Carrier (6 X AA)	1
speaker small 0.25W	speaker small 0.25W	1
Cable- Speaker	Figure 8 cable for speaker output (25 cm Length)	1
Hookup Wire - Red	Red Hook-up Wire (25 cm length)	1
Switch (ON/OFF)	Supply switch for saving battery life	1
KSBB-BT04	Bluetooth Receiver Module with Non-Isolated Voltage regulator	1

Note: Kit does NOT include batteries or housing! Students are expected to design their own case.

KitStop and KitStop Electronics are Trading Names owned by
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Demonstration of KSPTS-03-V2

Teacher Resources available from us:

The following Teacher Resources are available to download from our website, or Free of Charge via email if requested:

- Doc 1 KSPTS-03 Overview for Teachers .pdf (This document)
- Doc 2 KSAA03 Student instructions for Assembly -ver 1.pdf
- Doc 3 KSBB- BT04-V2 Bluetooth Receiver Assembly - Teacher's Guide .pdf
- Doc 4 Assembling KSPTS-03-V2 .pdf
- Doc 5 A self-paced guide to Wiring the ON-OFF switch .pdf
- Doc 6 iPhone Connection Guide .pdf
- Doc 7 A guide to connecting an Android Phone to your Bluetooth Speaker
- Doc 8 Teacher Notes when Using Bluetooth

Classroom tools and extra resources required to assemble this kit:

- Soldering iron plus Stand
- Solder
- Side Cutters (aka "Diagonal Cutters")
- Solder removal method ("Solder Sucker" recommended for students)
- Batteries (6 pieces of AA alkaline recommended)
- Safe surface (heat resistant) to work on.