

# Instructions

---

## Parrotplus

## Parrotplus2



2024 Revision

**Soundbyte Solutions (UK) Ltd**

The Old Stores, Leigh, Dorset, DT9 6HW, 01935 873824  
sales@soundbytesolutions.co.uk, www.soundbytesolutions.co.uk

# Table of Contents

INTRODUCTION .....	2
Tests, noises and languages available .....	2
HARDWARE .....	3
Equipment .....	3
Hardware setup and information .....	4
HANSET .....	5
Navigating the menu and selecting options .....	6
Adjusting the volume .....	6
SYSTEM START UP .....	7
Menu structure diagram .....	8
SETTING UP THE TEST .....	9
Select a test .....	9
Select noise type.....	9
Setup test screen .....	10
OPTIONS MENU .....	11
Test options .....	11
Calibration check .....	12
Voice selection .....	12
Test mode .....	13
Noise type.....	13
Returning to the test .....	13
Exiting the test.....	13
Noise calibration distance .....	14
TOY TEST OPTIONS.....	14
Available toys selection .....	14
Carrier phrase selection .....	14

# INTRODUCTION

These instructions are for the Parrotplus/Parrotplus2 units with the firmware Revision P+ 3.02 and speech file version 300.

The Parrotplus system is a menu driven device that allows a variety of speech discrimination tests to be performed with a variety of background noises.

## Tests, noises and languages available

At present we are able to offer the following:

Tests:

- McCormick Toy Test (McTT)
- English as an Additional Language Toy Test (EAL)
- Manchester Picture Test (MPT)
- Chear Auditory Performance Test (APT)
- Chear Consonant Confusion test (CCT)
- Manchester Junior Word List (MJWL)
- AB Short Word List (shortened version: lists 2, 5, 6, 8, 11, 13, 14, 15)
- Ling 6 Test
- Bamford-Kowal-Bench Sentence Lists (BKB)

Noises:

- Quiet
- Wideband noise
- Adult babble (except for CHEAR tests)
- Class babble (except for CHEAR tests)

Languages available:

- UK English(all tests)
- Polish (McTT and EAL)
- Slavic (McTT and EAL)

# HARDWARE

## Equipment

Standard case with transportation strap and protective



Handset

Main speaker (speech and noise)

Grey cable with distance markers (connecting cable)

Battery charger



Parrotplus2 (additional parts):

Secondary speaker (noise)

Blue cable (main to secondary speaker connecting cable)



Test Materials & Scoresheets



## Hardware setup and information

The rechargeable battery is housed inside the main speaker and is charged by connecting the battery charger into the charging socket at the back of the main speaker. The Parrotplus can be used while charging the battery. If it fails, the system needs to be returned in its carrier bag with all its equipment for diagnostics and repair.

The Parrotplus uses a grey cable to connect the handset to the main speaker. There are red dots on the connectors to indicate alignment. To insert the connector, avoid forcing it in. Hold it at the socket by the knurled ring and rotate until you feel the alignment lock into place, then push it in fully. To remove the plug, simply hold the outer knurled ring and pull it out.

The grey connecting lead has a pair of markers that can act as a calibration guide. The distance between both markers is set to 75cm, the default testing distance between the speaker and the subject. Users can alternatively set the noise calibration distance to 100cm using the TEST OPTIONS menu.

A second cable (blue), is provided with the Parrotplus2 to connect the main speaker to the secondary speaker. This uses connectors that simply need to be pushed in to the connection sockets. The speech output always comes out from the main speaker, and the noise, if selected, from the secondary speaker.

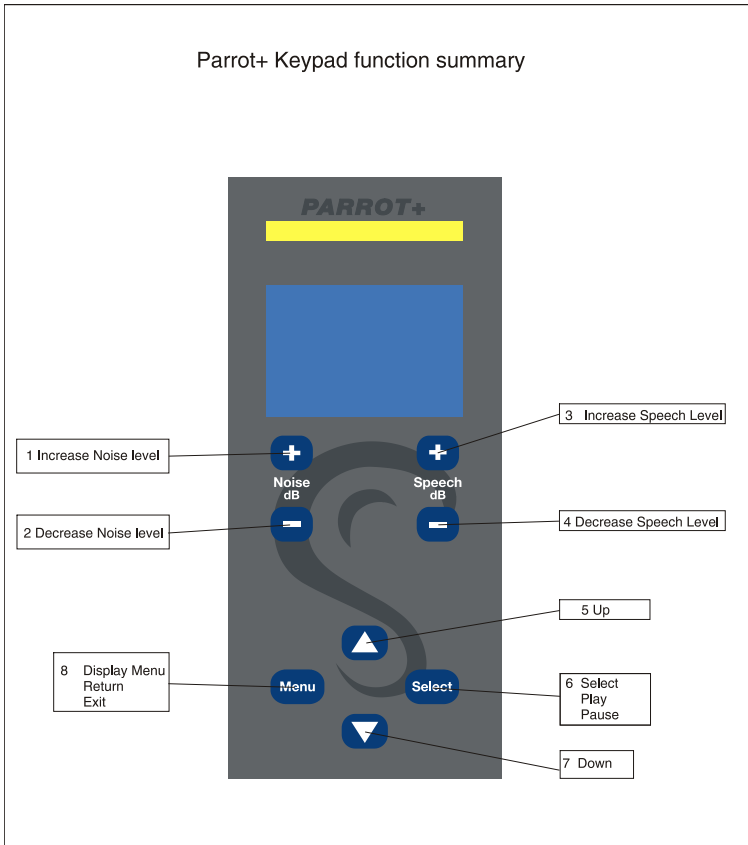
The speech and noise outputs produced by both Parrotplus/Parrotplus2 systems are in a range (measured at a choice of 75cm or 100cm distance) of 30dB to 60dB.

*An annual service is recommended to make sure your system is still in good working order and calibrated. You can schedule this by getting in touch with our sales team.*

### **WARNING**

This is a Class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

# HANDSET



## WARNING

Your Parrotplus is supplied with a 6V 300mA charging unit to recharge the battery. Do not use any other DC power source with the Parrotplus, as this will damage the battery, invalidate your warranty and may damage the Parrotplus handset. If you lose the charger please contact us for a replacement.

## Navigating the menu and selecting options

Your current selection will always be highlighted.

Keys 5 [▲] and 7 [▼] allow you to scroll up and down in a menu. A ▼ symbol at the bottom left of the screen indicates that there are further options available if you scroll down. A ▲ symbol at the top of the screen indicates that more options are available if you scroll up.

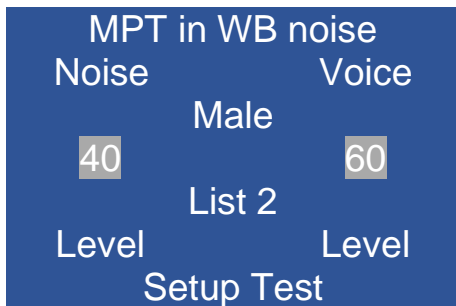
Key 6 is the SELECT key. It allows you to confirm a selection and move on to the next screen and also to pause and resume a test.

Key 8 is the MENU key. If you are in the test, MENU will take you back to the SETUP menu. If you are in the SETUP menu, it will take you back to the TEST OPTIONS menu.

## Adjusting the volume

Keys 1 to 4 allow you to adjust the volume of the speech and noise, provided that you are in the SETUP TEST menu (you have already selected a test/noise but haven't yet started it or paused it).

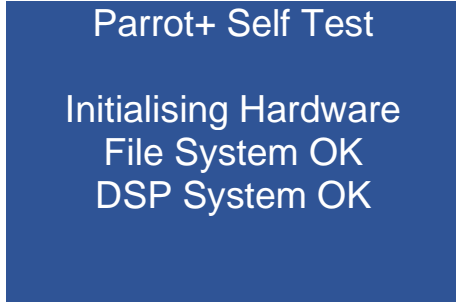
:



## SYSTEM START UP

Ensure that the switch on the rear of the speaker is in the 'OFF' position [O]. Connect the handset to the speaker using the grey lead, and press the switch to 'ON' [I].

The handset's screen should light up and display the following as it conducts software diagnostics.

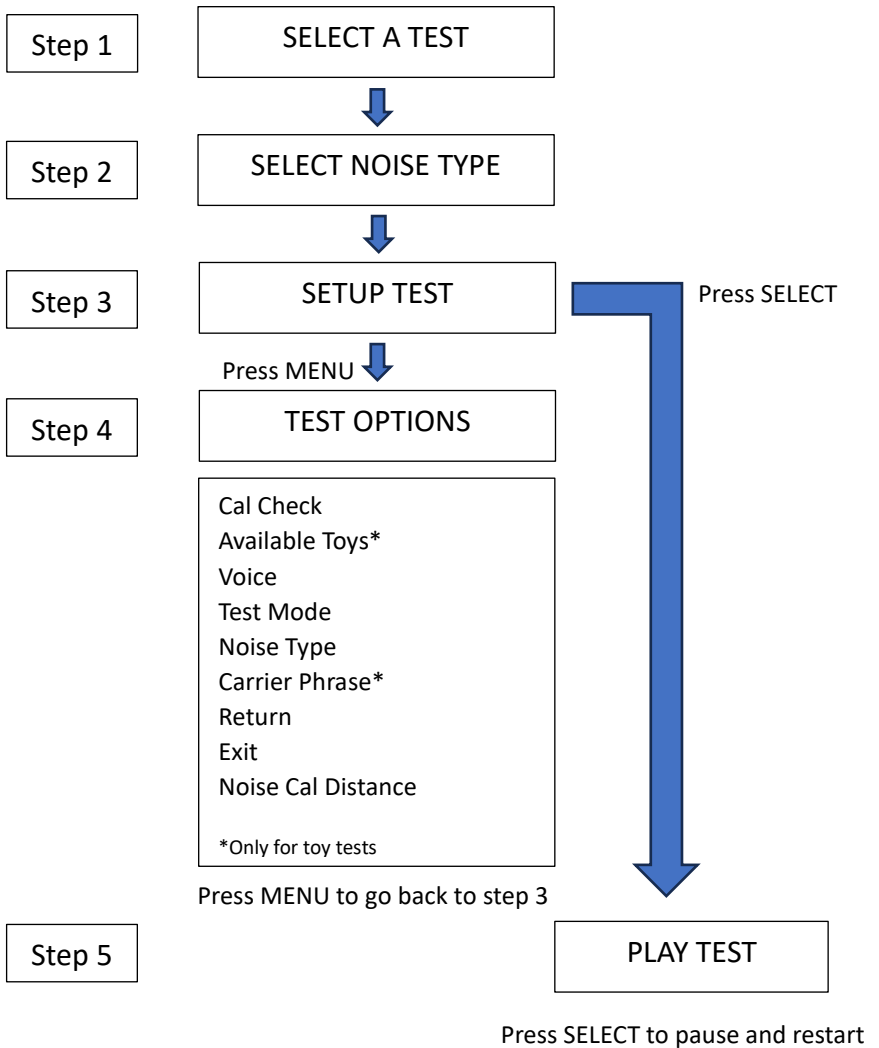


This should be immediately followed by the firmware screen.



This screen only remains visible for a short time. The unit should then display the SELECT A TEST menu.

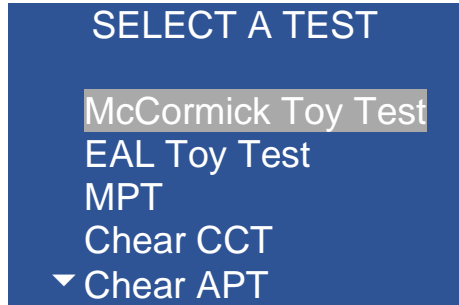
# Menu structure diagram



# SETTING UP THE TEST

## Select a test

This is the first menu. It allows the user to select a test from a list of tests. The range of tests on your handset would have been specified when the unit was purchased. If you wish to add further tests, please contact us.

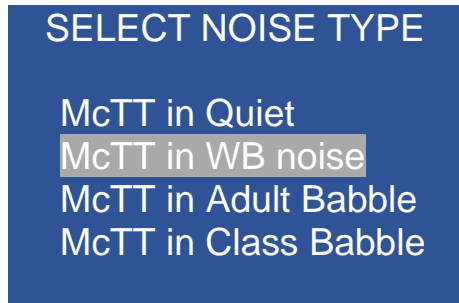


## Select noise type

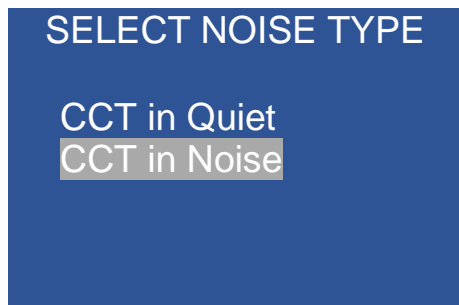
This is the second menu and it enables you to select a background noise for the test.

The selection available is:

- Quiet (no background noise)
- WB Noise (wideband Noise)
- Adult Babble (except for CHEAR tests)
- Class Babble (except for CHEAR tests)



Please note that Chear APT and Chear CCT come in quiet (no noise) and noise (wideband noise) only.



## Setup test screen

This is the third menu, and it shows the options selected so far. It is here that you can change your speech and noise levels.

When SETUP TEST is showing at the bottom of the screen, the following operations can be performed:

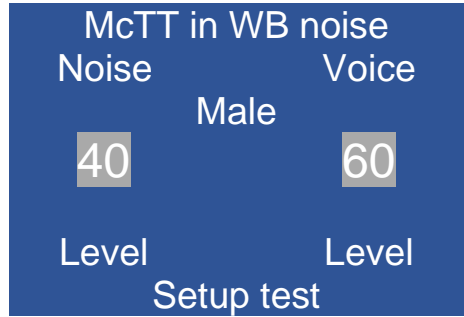
Adjust the noise level with the NOISE [+] and [-] keys

Adjust the speech level with the SPEECH [+] and [-] keys

*The volume can be adjusted in 5 dB increments from 75dB to 30dB. If you wish to temporarily remove the background noise it has a 0dB option.*

Enter the TEST OPTIONS menu using the MENU key

Run the test using the SELECT key



To begin the test: once you are happy with your selections, pressing the SELECT key will begin the test. The screen will display all the options you have selected.

In this example:

Test selected - McTT in WB noise

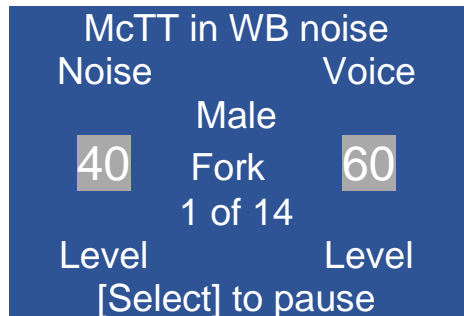
Noise level - 40 dB

Speech level - 60 dB

Selected voice - Male

Current word/sound - Fork

Progress - Test word 1 of 14



To Pause: press the SELECT key. During this pause, you can scan through the

sequence of test items using the UP and DOWN keys. This is useful if you need to repeat one of the last items. You can also skip through some of the items if required.

To Restart: press the SELECT key again.

Pressing MENU will reset the test and allow you to make changes to the volume.

Pressing MENU a second time sends you to the TEST OPTIONS menu to make amendments or to exit the test.

# OPTIONS MENU

## Test options

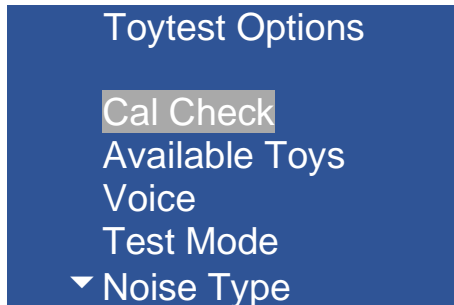
This is accessed by pressing menu from the SETUP TEST menu. The arrow ▼ shows there are further options on the next screen. All tests have the following options:

- Cal Check - perform a calibration check
- Voice - toggle between male or female voices
- Test Mode - toggle between auto or manual tests
- Noise Type - change the noise selection
- Return - return to the test screen
- Exit Test - return to the SELECT A TEST menu
- Noise Cal Distance - change the noise speaker distance for your test

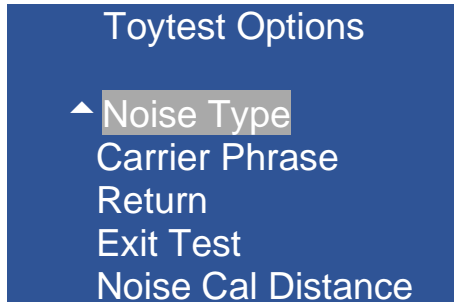
EAL and McCormick Toy Test have two extra menu options:

- Available Toys - change the selection of the toys used in the test
- Carrier Phrase - select the carrier phrase to be used

Screen 1



Screen 2



## Calibration check

This option allows you to verify the sound level of your system in a particular environment by playing a calibration noise. The speaker output is measured at 60dB for the default distance of 75cm.

CALIBRATION  
TONE  
Main Speaker  
60 dB(a) @ 75 cms

[Select] to Pause

A short burst of noise will play from the main speaker. Using a Sound Level Meter (SLM) positioned at the child's head, ensure it shows 60dB. If it is too quiet, move the speaker closer so it is correct. Alternatively, if the SLM is showing more than 60dB, move the speaker slightly further away until it is correct. Once the check is complete, you will be returned to the OPTIONS menu.

For the Parrotplus2, if a test in noise is selected, you will be required to press a key after the first burst of noise to test the noise speaker.

CAL CHECK  
Press any key

to check  
Speaker 2

The unit will then play a burst of noise through the secondary speaker to complete the test and return you to the OPTIONS menu. To change the calibration to 60 dB at 100 cm, see NOISE CAL DISTANCE, page 14.

## Voice selection

This enables you to select a Male or Female voice for the test. By default, the voice selected is Male. Once your selection is made, you will be returned to the OPTIONS menu.

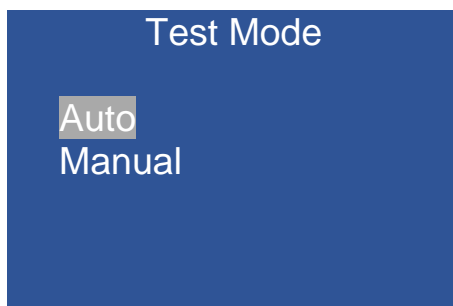
Select Voice

Male Voice  
Female Voice

## Test mode

This menu allows you to change the playback test mode from Auto to Manual presentations.

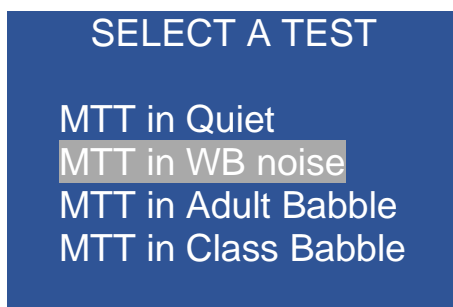
In Manual test mode you will have to press the SELECT key each time a new word is to be spoken. In Auto test mode, the test will automatically run through a complete sequence without intervention. Once your selection is made, you will be returned to the OPTIONS menu.



## Noise type

This allows you to change the type of noise the test is presented in at any time. Please note that Chear APT and Chear CCT have their noise options limited to wideband noise or quiet only.

Once your selection is made, you will be returned to the SETUP TEST menu, where you can change the volume levels.



## Returning to the test

Selecting this option will return you to the SETUP TEST screen. Press SELECT to play the test with the revised options.

## Exiting the test

Selecting this option will exit the current test completely and reset any changes. You will return to the MAIN menu.

## Noise calibration distance

This option allows you to change the calibration distance for the secondary speaker on the Parrotplus2 only. The calibration distance for the noise source can be changed from 75cm to 100cm and remains set until you select this menu option again, or power the unit down.

### Select Noise Distance

75 cms  
100 cms

## TOY TEST OPTIONS

The EAL and McCormick Toy Test have two extra menu options.

### Available toys selection

This menu allows you to enable or disable the pairs of toys included in the test. The arrow ▼ shows there are further options on the next screen.

Press SELECT to toggle the highlighted toy pair. If a # character appears after the toy pair, they are disabled and will not be included.

### Select Toys

Tree / Key  
Shoe / Spoon #  
Cow / House #  
Horse / Fork  
▼ Man / Lamb

### Carrier phrase selection

This menu allows you to select the carrier phrase. By default, the carrier phrases are randomised.

The presentation order of the toys in the Toy Tests is randomised.

### Select Carrier Phrase

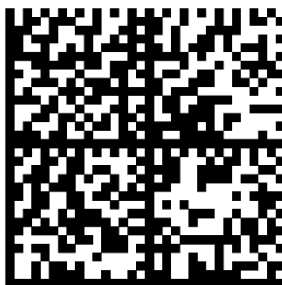
Show Me  
Where's  
Random

# Soundbyte Solutions

Automated Speech Test Systems



To see our line of products  
scan the QR code



Soundbyte Solutions (UK) Ltd  
The Old Stores, Leigh, Dorset, DT9 6HW  
sales@soundbytesolutions.co.uk  
01935 873824