# Parrotplus
# Parrotplus 2



**Instructions for use**

**Version 2.00**

# Parrot+ Keypad function summary



1 Increase Noise level

2 Decrease Noise level

3 Increase Speech Level

4 Decrease Speech Level

5 Up

8 Display Menu
Return
Exit

6 Select
Play
Pause

7 Down
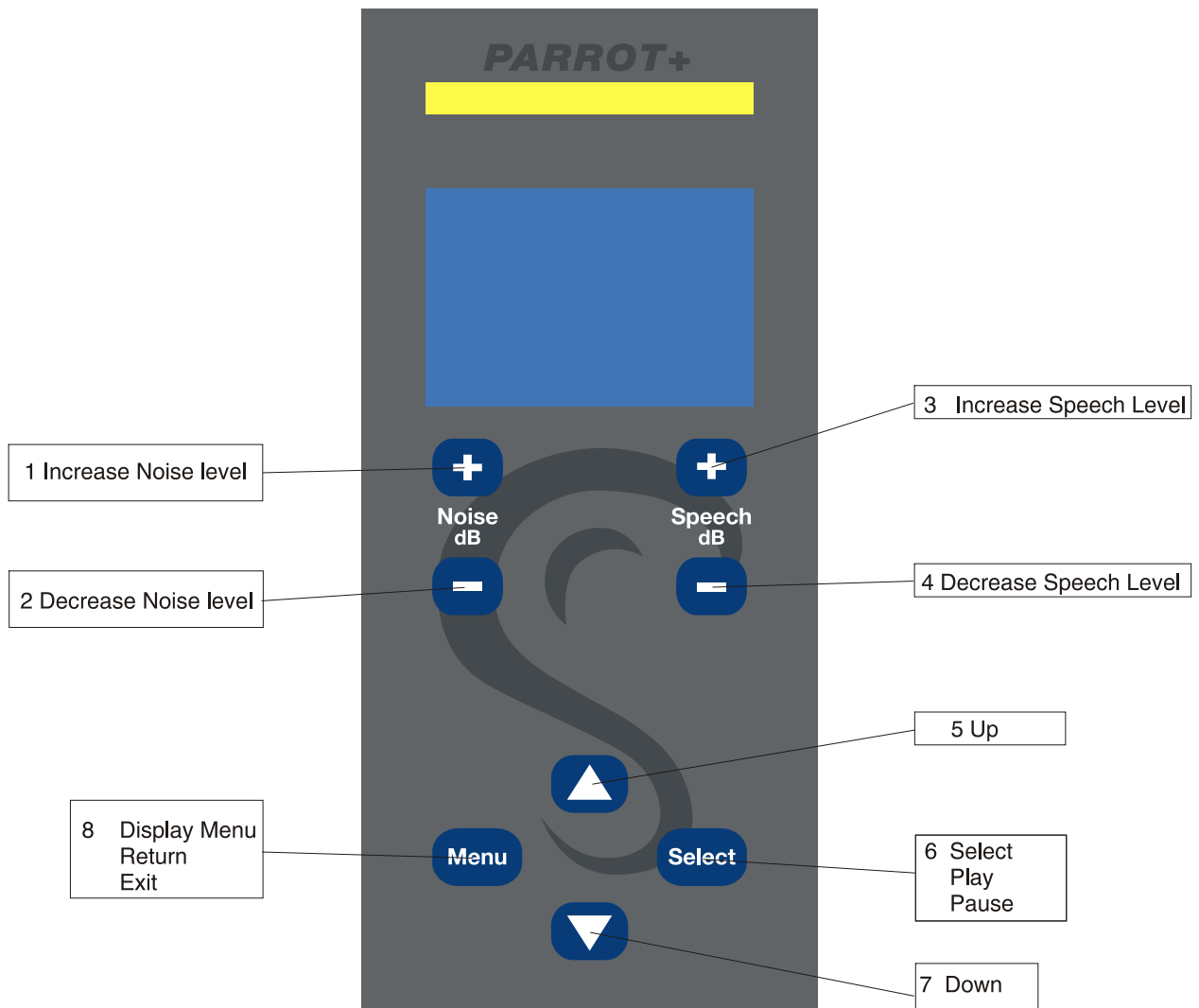
# Introduction

These instructions are for the Parrotplus units with the firmware Revision P+ 2.00 and speech file version 7.0.

## Setup for Parrotplus

The main connecting lead between speaker and handset has a male and female end. The male end connects to the speaker and the female end connects to the handset. The connectors have a keyway to prevent incorrect alignment, but it important that you do not try to force the connector if not aligned correctly. To help with this, we have added some gold markers to the cable and the equipment to aid in aligning them correctly. When the connectors are inserted correctly, you must then use the locking ring to secure then at each end.



The connecting lead has a pair of markers to act as a calibration distance guide..

The rechargeable battery is housed inside the speaker and is charged by connecting the battery charger into the charging socket at the back of the speaker. This allows the Parrot to be used whilst charging the battery.

The calibration distance for speaker (speech and noise) is 75cms.

**Setup for Parrotplus 2**

The two speaker version used a push in latching connector which is much easier to align than the previous cable type. Three are red dots on the connectors to indicate alignment, To insert the connector, hold it by the knurled ring, and insert it into the socket, rotate until you feel the alignment lock into place and then push it fully in. To remove the plug, simply hold the outer knurled ring and pull it out.



The connecting lead has a pair of markers to act as a calibration distance guide..

A second cable is provided to connect the main speaker to speaker 2. This uses 3.5mm jack connectors and simply pushes in to the connection sockets.

In use, the speech output will always be presented from the main speaker, and the noise output (if required) will be presented from speaker 2.

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 speaker. This allows the Parrot to be used whilst charging the battery.

 The calibration distance for both the both the main speaker (speech) and speaker 2(noise) is 75cms.

The Parrotplus is able to produce speech and noise outputs in the following range:

Speech max         75 dB (A)
Speech min         30 dB (A)
Noise max          75 dB (A)
Noise min           30 dB (A)

All measured at 75 cm.

The Parrotplus is a menu driven device and is far more flexible than previous Parrots. It also has much greater data storage capabilities allowing us to include a variety of tests on a single handset. We can also present each available test in a variety of background noises.

At present we are able to include the following tests:

McCormick Toy Test
EAL Toy Test
Manchester Picture Test
Chear APT test
Chear CCT test
Manchester Junior Word List
AB Short Word List (lists 2,5,6,8,11,13,14,15)
Ling Test

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**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.

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## Using the Parrotplus

These instructions apply to both the Parrotplus and Parrotplus2. Where differences occur these will be referred to in the text.

Ensure that the switch on the rear of the speaker is in the OFF position. Connect the handset to the speaker using the lead provided, and turn the Parrotplus 'ON' using the switch.

The graphical display should light up and the Parrotplus will run a self test as shown below.

```
Parrot+ Self Test

Initialising Hardware

File System OK
DSP System OK
```

And this should be immediately followed by the Serial number and firmware revision display screen.

```
PARROT PLUS

P+ 2.00

COPYRIGHT
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```

This screen remains visible for a short time, the unit will then display the menu for selecting a test group.

## Select a test group

This is the first menu and allows the user to select a particular test group from those available. The current option is highlighted by reversing the text and background colours.

Use the [up] and [down] keys to change the highlighted option.

Use the [Select] key to select the highlighted option.

The ▼ symbol at the bottom 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.
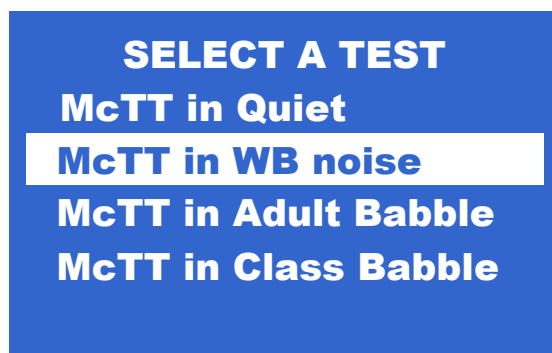


## Select a test

This is the second menu and enables you to select a specific test within a group.

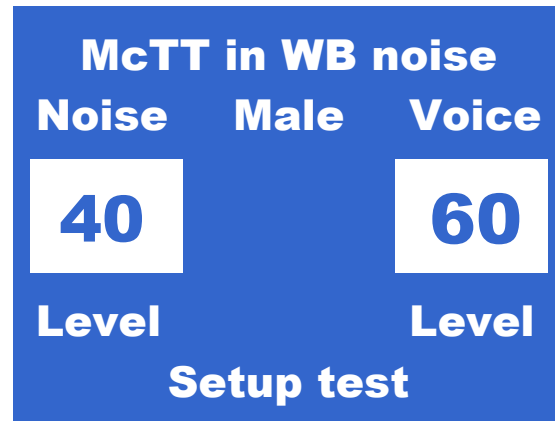Use the [up] and [down] keys to change the highlighted option.

Use the [Select] key to select the highlighted option.

Use the [Menu] key to return to the Select a Test Group menu.

## Running the McCormick Toy Test (MTT)
### *Also applies to the English as an Additional Language (EAL) Toy Test*

This section describes the options available for running the McCormick Toy Test in Wideband noise. The procedure is the same for MTT in Quiet except that the noise level is set to 0dB and is not displayed. MTT in Babble noise is the same except babble noise is substituted for Wideband noise during playback.

<div style="text-align:center">

**McTT in WB noise**

**Noise**   **Male**   **Voice**

**40**     **60**

**Level**     **Level**

**Setup test**

</div>

**Setup test**

This screen is displayed when the test is selected. In Setup test you can perform the following operations:

Adjust the noise level with the [noise up] and  [noise down] keys.
(The noise level can be adjusted in 5 dB steps from 75 dB to 30 dB and then to 0 dB if you wish to temporarily remove the background noise)

Adjust the speech level with the [speech up] and [speech down] keys.

Enter the [Toytest Options] menu using the [Menu] key (see page 7).

Run the Toytest using the [Select] key.

Pressing the [Select] key will cause the handset to begin playing the 14 words of the MTT. The display will change slightly in play mode as shown below.

**McTT in WB noise**

Noise   Male   Voice

40   FORK   60

Level   1 OF 14   Level

[Select] to pause
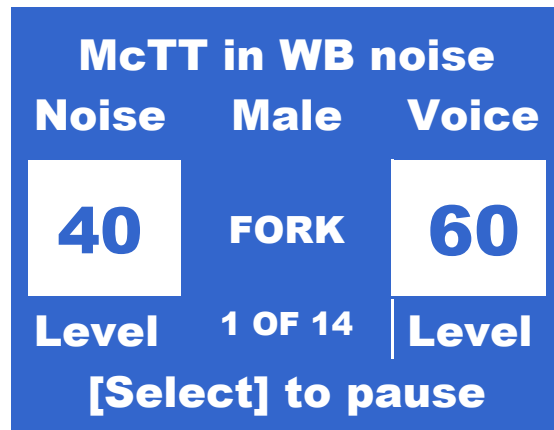
The following information is being displayed.

Name of test = MTT in WB noise
Noise level = 40 dB
Speech level =  60 dB
Selected voice = Male
Current word = Fork
Progress = test word 1 from a possible 14

The Parrot will now play all 14 of the Toytest words in the randomised sequence at the levels set.

Pressing the [Select] key during playback will pause the test until you press the [Select] key again.

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 the last item or items. You can also skip through some of the items if required.

Pressing the [Menu] key either during playback or when paused will return to the Setup test screen.
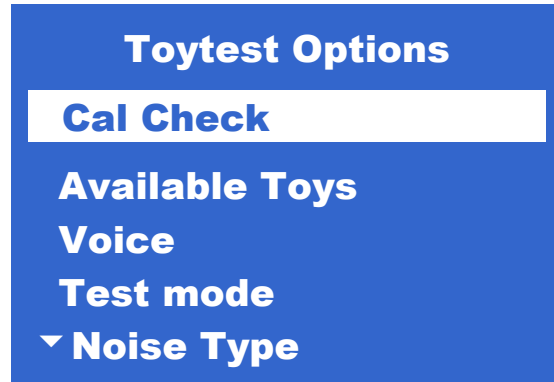

## Toytest Menus

### Toytest Options menu

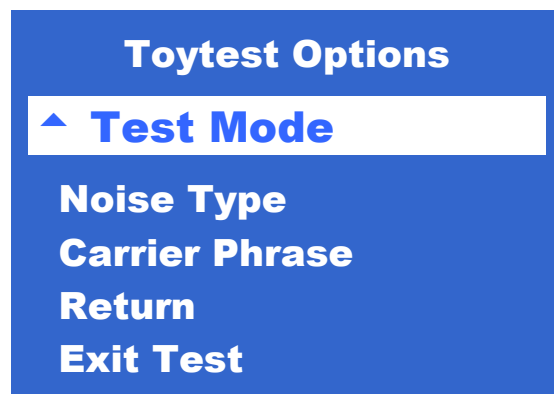This is the options menu for the EAL and McCormick Toy Tests.

Use the [up] and [down] keys to change the highlighted option.

Use the [Select] key to select the highlighted option.

Use the [Menu] key to return to the Setup test screen.

```
      ┌─────────────────────────────┐
      │       Toytest Options       │
      │  ┌───────────────────────┐  │
      │  │ Cal Check             │  │
      │  └───────────────────────┘  │
      │    Available Toys           │
      │    Voice                    │
      │    Test mode                │
      │  ▼ Noise Type               │
      └─────────────────────────────┘
```
Screen 1

```
      ┌─────────────────────────────┐
      │       Toytest Options       │
      │  ┌───────────────────────┐  │
      │  │ ▲ Test Mode           │  │
      │  └───────────────────────┘  │
      │    Noise Type               │
      │    Carrier Phrase           │
      │    Return                   │
      │    Exit Test                │
      └─────────────────────────────┘
```
Screen 2

**Cal Check**

This option will play a calibration test tone at 60 dB(a) measured at 75 cms from the speaker. For the Parrotplus2 there will be two bursts of noise, the first from the main speaker and the second from speaker 2

**Select Toys**

This menu enables you to remove the pairs of toys you do not wish to be included in the test.

The ▼ symbol at the bottom 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.
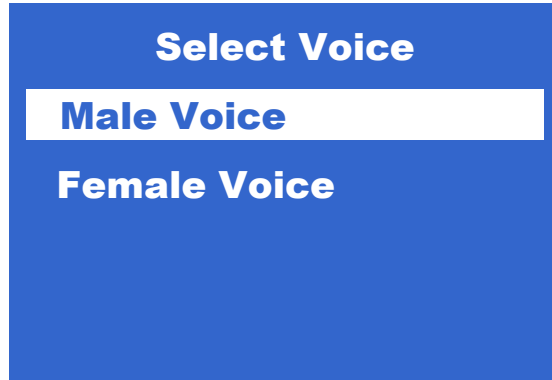
```
┌─────────────────────────────┐
│        Select Toys          │
│  ┌───────────────────────┐  │
│  │  Tree / Key   #       │  │
│  └───────────────────────┘  │
│    Shoe / Spoon             │
│    Cow / House              │
│    Horse / Fork             │
│  ▼ Man / Lamb               │
└─────────────────────────────┘
```

Press [Select] to toggle the highlighted toy pair between enabled and disabled. If a '#' character appears after the toy pair, they are disabled and will not be included in the test.

[Menu] returns you to the previous menu.

Selecting [Return] from the menu will also return you to the previous menu.

**Select Voice**

This brings up a sub-menu enabling you to select male or female voice.

```
┌─────────────────────────────┐
│        Select Voice         │
│  ┌───────────────────────┐  │
│  │  Male Voice           │  │
│  └───────────────────────┘  │
│    Female Voice             │
│                             │
│                             │
│                             │
└─────────────────────────────┘
```

Use the [up] and [down] keys to change the highlighted option.

Use the [Select] key to select the highlighted option and return to the previous menu.
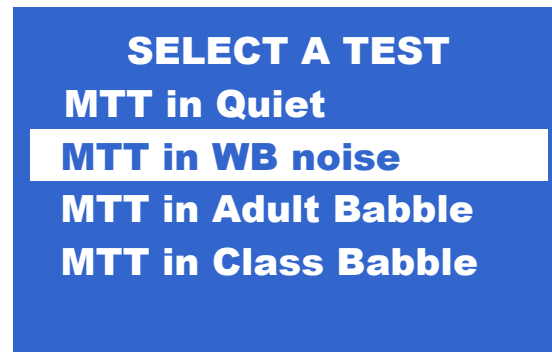
Use the [Menu] key to return to the previous menu.

**Test Mode**

This menu allows you to change the playback test mode from auto to manual. 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.

**Noise Type**

This option returns you to the select a test menu

**SELECT A TEST**
MTT in Quiet
MTT in WB noise
MTT in Adult Babble
MTT in Class Babble

This slows you to change the type of noise the test is presented in at any time. Use the [Menu] key in this menu to exit the test completely and return to the select a test group menu.

**Return**

Selecting this option will return you to the selected Setup test screen.
(see page 7).

**Exit Test**

Selecting this option will return you to the initial Select a test group menu.
(see page 6).

## Running the Manchester Picture Test
### *Also applies to Manchester Junior Word List (MJWL) and AB Short Word List (ABSWL)*

The Manchester Picture Test uses 6 lists of 6 words. The MJWL and ABSWL tests use 8 lists of 10 words.

Selecting the Manchester Picture Test from the main menu will display the following test options.
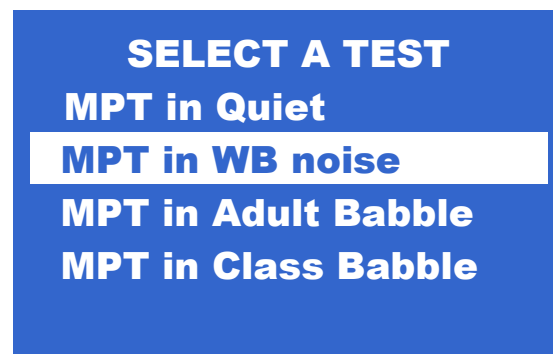


This section describes the options available for running the Manchester Picture Test in Wideband noise. The procedure is the same for MPT in Quiet except that the noise level is set to 0dB and is not displayed. MPT in Babble noise is the same except Babble noise is substituted for Wideband noise during playback.



### Setup test

This is the main screen as displayed when the test is selected. In Setup test you can perform the following operations:

Adjust the noise level with the [noise up] and  [noise down] keys.
(The noise level can be adjusted in 5 dB steps from 75 dB to 30 dB and then to 0 dB if you wish to temporarily remove the background noise)
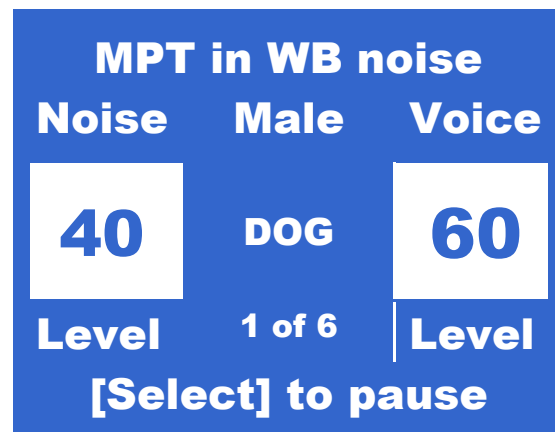
Adjust the speech level with the [speech up] and [speech down] keys.

Enter the [MPT Options] menu using the [Menu] key.

Run the MPT using the [Select] key.

Change the selected list using the [up] and [down] keys.

When you have selected the required list and set the speech and noise levels, Press [Select] to play the list.



```
MPT in WB noise
Noise     Male     Voice

 40       DOG       60

Level     1 of 6    Level
     [Select] to pause
```

The following information is being displayed.
Name of test = MPT in WB noise
Noise Level = 40 dB
Speech level =  60 dB
Selected voice = Male
Current word = Dog (from list 2)
Progress = test word 1 from a possible 6

The Parrot will now play all 6 of the selected list at the levels set.

Pressing the [Select] key during playback will pause the test until you press the [Select] key again.

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 the last item or items. You can also skip through some of the items if required.
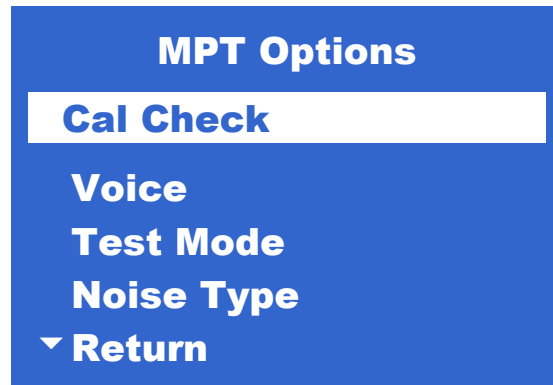
Pressing the [Menu] key either during playback or when paused will return to the Setup test screen.

**MPT Options Menu**

Use the [up] and [down] keys to change the highlighted option.

Use the [Select] key to select the highlighted option.

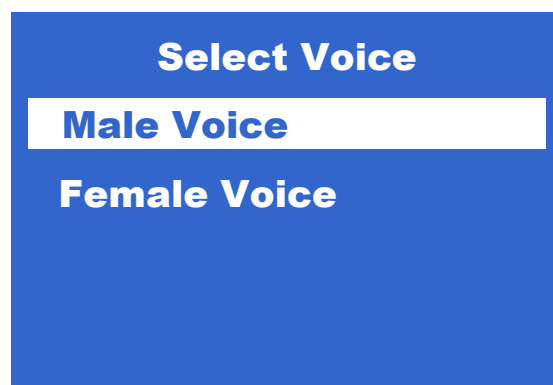Use the [Menu] key to return to the Setup test screen (see page 10).

<div style="text-align:center">

**MPT Options**

**Cal Check**

**Voice**
**Test Mode**
**Noise Type**
▾ **Return**

</div>

**Cal Check**
This option will play a calibration test tone at 60 dB(a) measured at 75 cms from the speaker. For the Parrotplus2 there will be two bursts of noise, the first from the main speaker and the second from speaker

**Voice**

This brings up a sub-menu enabling you to select male or female voice.

<div style="text-align:center">

**Select Voice**

**Male Voice**

**Female Voice**

</div>

Use the [up] and [down] keys to change the highlighted option.

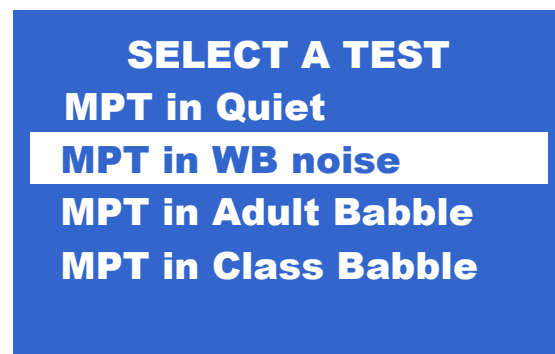Use the [Select] key to select the highlighted option and return to the previous menu.

Use the [Menu] key to return to the previous menu.

**Test Mode**

This menu allows you to change the playback test mode from auto to manual. 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.

**Noise Type**

This option returns you to the select a test menu



This slows you to change the type of noise the test is presented in at any time. Use the [Menu] key in this menu to exit the test completely and return to the select a test group menu.

**Return**

Selecting this option will return you to the selected test Setup test screen (see page 10).

**Exit Test**

Selecting this option will return you to the initial Select a test group menu. (see page 6).

## Running the Chear Test (CCT and APT)

The Chear Tests use 10 lists of 4 words. Each list is presented in a series of 6 presentations with two of the words selected at random to be repeated and inserted into random positions within the sequence.

Selecting the Chear CCT from the main menu will display the following test options.

SELECT A TEST
Chear CCT in Quiet
Chear CCT in noise
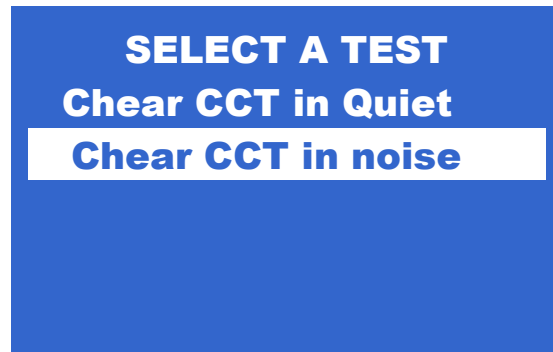
This section describes the options available for running the Chear CCT in noise. The procedure is the same for CCT in Quiet except that the noise level is set to 0dB and is not displayed.
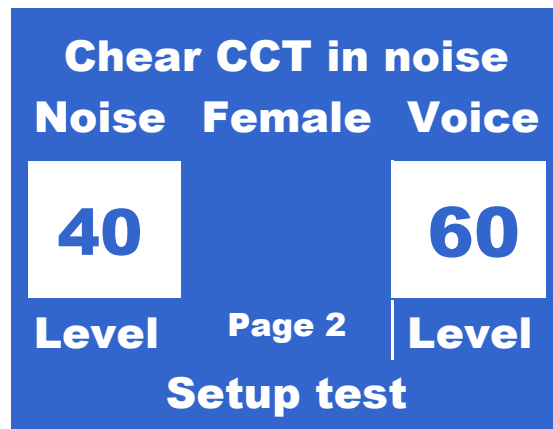
Chear CCT in noise
Noise    Female    Voice
40                  60
Level    Page 2    Level
Setup test

### Setup test

This is the main screen as displayed when the test is selected. In Setup test you can perform the following operations:

Adjust the noise level with the [noise up] and [noise down] keys.
(The noise level can be adjusted in 5 dB steps from 75 dB to 30 dB and then to 0 dB if you wish to temporarily remove the background noise)
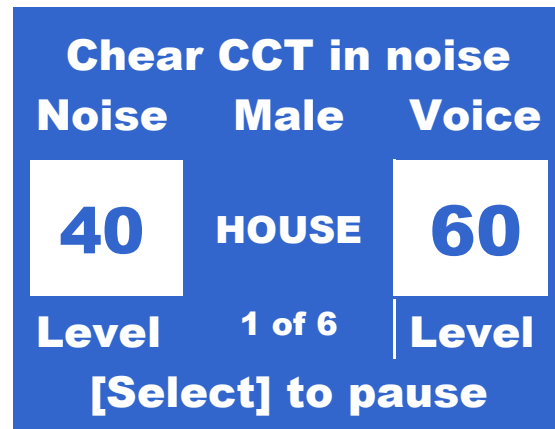
Adjust the speech level with the [speech up] and [speech down] keys.

Enter the [Chear Test Options] menu using the [Menu] key.

Run the Chear test using the [Select] key.

Change the selected Page using the [up] and [down] keys.

When you have selected the required list and set the speech and noise levels, Press [Select] to play the list.



The following information is being displayed.
Name of test = Chear CCT in noise
Noise Level = 40 dB
Speech level =  60 dB
Selected voice = Male
Current word = House (from page 1)
Progress = test word 1 from a possible 6

The Parrot will now play all 6 of the selected list at the levels set.

Pressing the [Select] key during playback will pause the test until you press the [Select] key again.

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 the last item or items. You can also skip through some of the items if required.
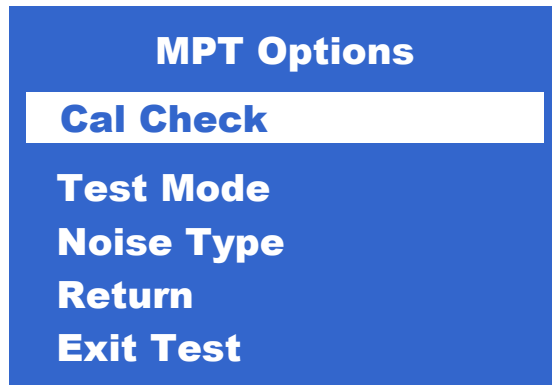
Pressing the [Menu] key either during playback or when paused will return to the Setup test screen.

**Chear Test Options Menu**

Use the [up] and [down] keys to change the highlighted option.

Use the [Select] key to select the highlighted option.

Use the [Menu] key to return to the Setup test screen (see page 10).

```
          MPT Options
    ┌──────────────────────┐
    │  Cal Check           │
    └──────────────────────┘
       Test Mode
       Noise Type
       Return
       Exit Test
```
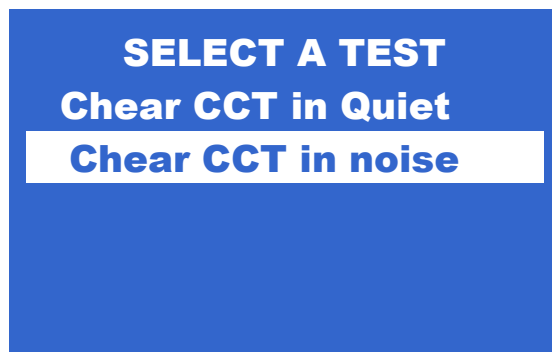
**Cal Check**
This option will play a calibration test tone at 60 dB(a) measured at 75 cms from the speaker. For the Parrotplus2  there will be two bursts of noise, the first from the main speaker and the second from speaker

**Test Mode**

This menu allows you to change the playback test mode from auto to manual. 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.

**Noise type**

This option allows the user to change the type of noise the test is presented in.

```
          SELECT A TEST
        Chear CCT in Quiet
    ┌──────────────────────┐
    │  Chear CCT in noise  │
    └──────────────────────┘
```

This alows you to change the type of noise the test is presented in at any time. Use the [Menu] key in this menu to exit the test completely and return to the select a test group menu.

**Return**

Selecting this option will return you to the selected test Setup test screen (see page 15).


**Exit Test**

Selecting this option will return you to the initial Select a test group menu. (see page 6).

## Running the Ling 6 Test

This section describes the options available for running the Ling 6 test in Wideband noise. The procedure is the same for Ling in Quiet except that the noise level is set to 0dB and is not displayed. Ling in Babble noise is the same except babble noise is substituted for Wideband noise during playback.
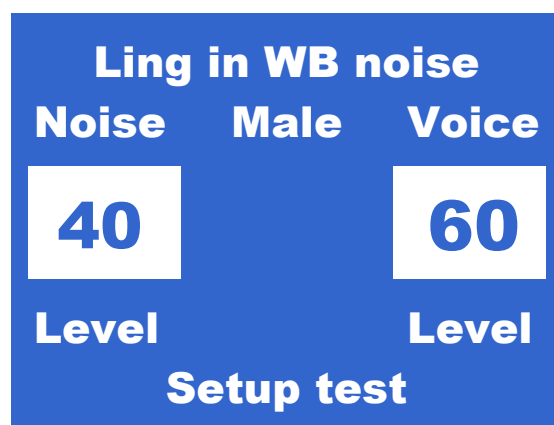


### Setup test

This screen is displayed when the test is selected. In Setup test you can perform the following operations:

Adjust the noise level with the [noise up] and  [noise down] keys.
(The noise level can be adjusted in 5 dB steps from 75 dB to 30 dB and then to 0 dB if you wish to temporarily remove the background noise)

Adjust the speech level with the [speech up] and [speech down] keys.

Enter the [Ling Test Options] menu using the [Menu] key (see page 7).

Run the Ling test using the [Select] key.

Pressing the [Select] key will cause the handset to begin playing the 6 sounds of the Ling 6 test in random order. The display will change slightly in play mode as shown below.

Ling in WB noise
Noise    Male    Voice
40      ss      60
Level   1 OF 14   Level
[Select] to pause
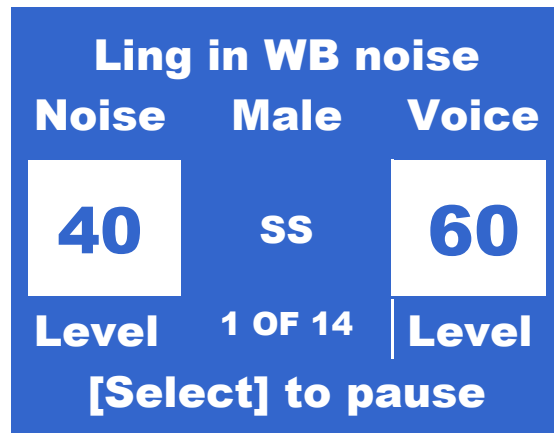
The following information is being displayed.

Name of test = Ling in WB noise
Noise level = 40 dB
Speech level =  60 dB
Selected voice = Male
Current sound = SS
Progress = test word 1 from a possible 14

The Parrot will now play all 6 of the Ling sounds in the randomised sequence at the levels set.

Pressing the [Select] key during playback will pause the test until you press the [Select] key again.

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 the last item or items. You can also skip through some of the items if required.
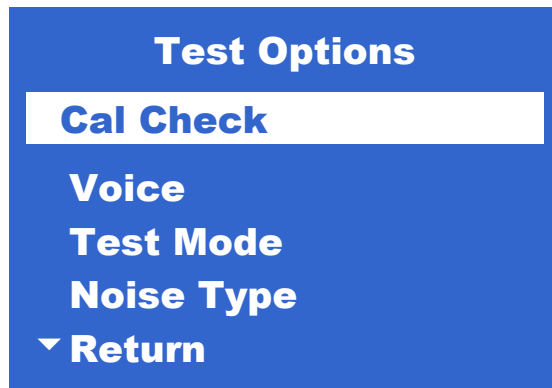
Pressing the [Menu] key either during playback or when paused will return to the Setup test screen.

**Ling Options Menu**

Use the [up] and [down] keys to change the highlighted option.

Use the [Select] key to select the highlighted option.

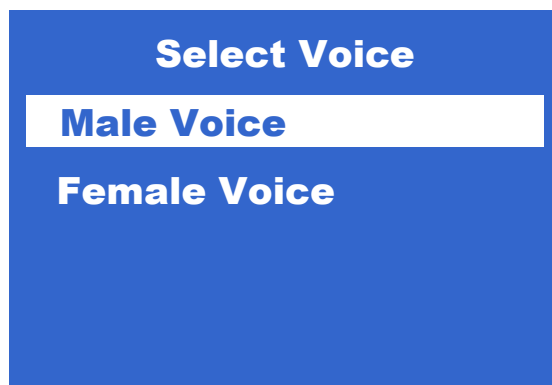Use the [Menu] key to return to the Setup test screen (see page 10).

```
┌─────────────────────────────┐
│        Test Options         │
│  ┌───────────────────────┐  │
│  │ Cal Check             │  │
│  └───────────────────────┘  │
│     Voice                   │
│     Test Mode               │
│     Noise Type              │
│   ▼ Return                  │
└─────────────────────────────┘
```

**Cal Check**

This option will play a calibration test tone at 60 dB(a) measured at 75 cms from the speaker. For the Parrotplus2 there will be two bursts of noise, the first from the main speaker and the second from speaker

**Voice**

This brings up a sub-menu enabling you to select male or female voice.

```
┌─────────────────────────────┐
│        Select Voice         │
│  ┌───────────────────────┐  │
│  │ Male Voice            │  │
│  └───────────────────────┘  │
│     Female Voice            │
│                             │
│                             │
│                             │
└─────────────────────────────┘
```

Use the [up] and [down] keys to change the highlighted option.

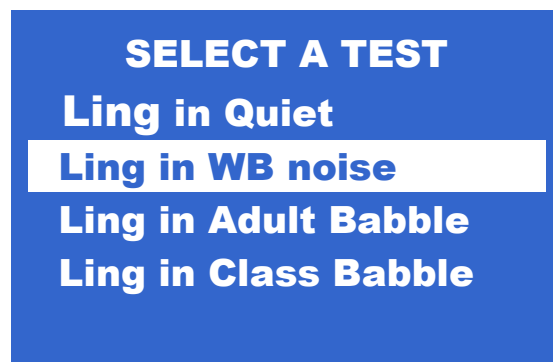Use the [Select] key to select the highlighted option and return to the previous menu.

Use the [Menu] key to return to the previous menu.

**Test Mode**

This menu allows you to change the playback test mode from auto to manual. 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.

**Noise Type**

This option returns you to the select a test menu

**SELECT A TEST**
Ling in Quiet
Ling in WB noise
Ling in Adult Babble
Ling in Class Babble

This slows you to change the type of noise the test is presented in at any time. Use the [Menu] key in this menu to exit the test completely and return to the select a test group menu.

**Return**

Selecting this option will return you to the selected test Setup test screen (see page 10).

**Exit Test**

Selecting this option will return you to the initial Select a test group menu. (see page 6).