

# QA Test Script for Muse 1.0

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# 1. Onboarding with iOS and Android

Required equipment:

1. iPhone with iOS 10 or higher
2. Android phone with standard Android 6 or higher.
3. Muse device
4. USB power source for Muse

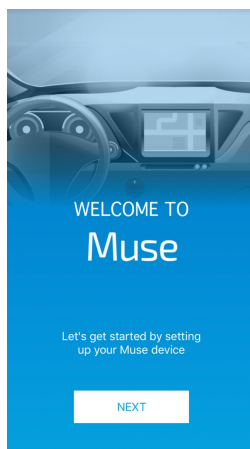
## 1.1. Initial Test

1.1.1. Setup:

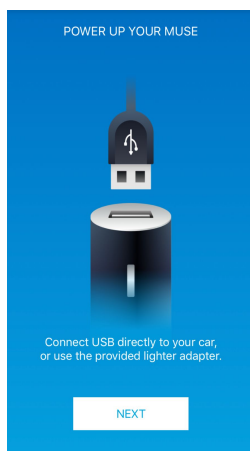
1.1.1.1. Install the app on Android and iOS. Perform all tests for iOS *and* Android.

1.1.2. Action:

1.1.2.1. Open the app. Hit next.



1.1.2.2. Connect the device to USB

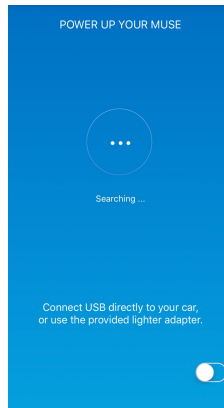


1.1.3. Expected Result:

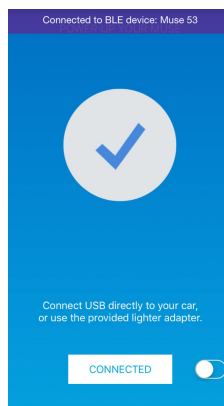
- 1.1.3.1. Device should auto power on. You will see the purple light come on. This means the device is advertising.

## 1.2. BLE Connection Test:

- 1.2.1. Setup:
  - 1.2.1.1. Device should be powered on and should have passed Initial Test.
- 1.2.2. Action:
  - 1.2.2.1. Phone starts searching for the device.

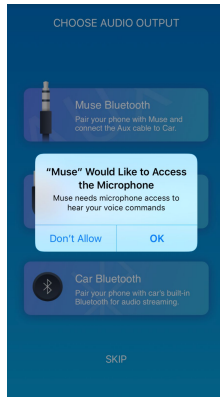


- 1.2.3. Expected Result:
  - 1.2.3.1. Phone connects with the device. The Light on the device turns off once connected. You will hear a beep from the phone which confirms the connection.

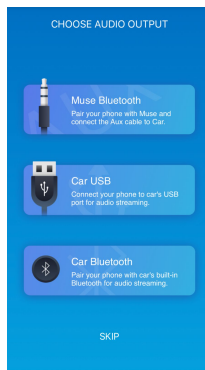


## 1.3. Setup Completion Test

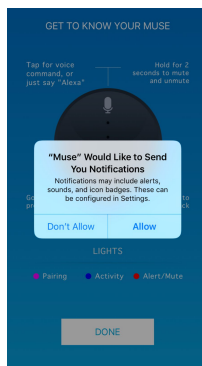
- 1.3.1. Setup:
  - 1.3.1.1. Device should have passed Connection Test
- 1.3.2. Action:
  - 1.3.2.1. Allow Microphone access



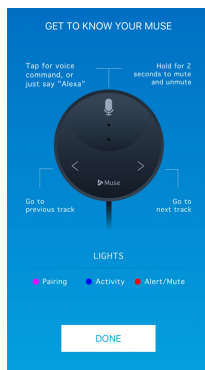
1.3.2.2. Choose your audio output. If not sure you can skip this step.



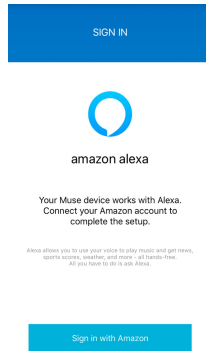
1.3.2.3. Allow Notifications.



1.3.2.4. Hit Done.

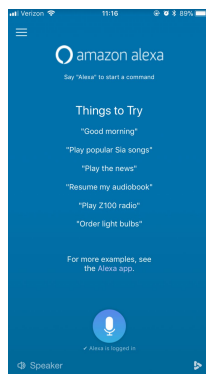


1.3.2.5. Sign into your Amazon account.



### 1.3.3. Expected Result:

1.3.3.1. You will see the following screen. The lower right corner will have a white filled Muse symbol.



## 2. Car Bluetooth Tests

Required equipment:

1. iPhone with iOS 10 or higher
2. Android phone with standard Android 6 or higher.
3. Car Bluetooth (or regular Bluetooth Speaker instead)
4. Muse device
5. USB power source for Muse
6. iPhone with iOS 10 or higher

### 2.1. Car Bluetooth Wake Word Test

#### 2.1.1. Setup:

2.1.1.1. Go to settings in the phone and pair to car Bluetooth. Complete Onboarding tests.

#### 2.1.2. Action:

2.1.2.1. Say "Alexa, what is the time ?"

#### 2.1.3. Expected Result:

- 2.1.3.1. Device will wake up with a constant blue light. Phone will go into listening and you will hear a tone.
- 2.1.3.2. Phone will then go into thinking. Device will show a flashing blue light.
- 2.1.3.3. Phone will go into speaking. You will hear the response from the car speakers. Device will show a pulsing blue light.
- 2.1.3.4. Phone comes back to initial screen. Lights go off on the device.

## 2.2. Car Bluetooth Mute On Test

- 2.2.1. Setup:
  - 2.2.1.1. Go to settings in the phone and pair to car Bluetooth. Complete Onboarding tests.
- 2.2.2. Action:
  - 2.2.2.1. Press and hold the microphone button on the device for ~2 seconds.
- 2.2.3. Expected Result:
  - 2.2.3.1. Device will go into mute with a constant red light on pressing the microphone button for ~1-2 seconds.
  - 2.2.3.2. There should be no response from device/phone for a voice command.

## 2.3. Car Bluetooth Mute Off Test

- 2.3.1. Setup:
  - 2.3.1.1. Go to settings in the phone and pair to car Bluetooth. Complete Onboarding tests. Complete Car Bluetooth Mute On Test.
- 2.3.2. Action:
  - 2.3.2.1. Press and hold the microphone button on the device for ~1-2 seconds.
- 2.3.3. Expected Result:
  - 2.3.3.1. Device will come out of mute and the lights go off, on pressing the microphone button for ~1-2 seconds.
  - 2.3.3.2. Device will respond to voice commands similar to Car Bluetooth Wake Word Test.

## 2.4. Car Bluetooth Button Trigger Test

- 2.4.1. Setup:
  - 2.4.1.1. Go to settings in the phone and pair to car Bluetooth. Complete Onboarding tests.
- 2.4.2. Action:
  - 2.4.2.1. Press and hold the microphone button on the device for <1 second.

2.4.3. Expected Result:

- 2.4.3.1. Device will wake up with a constant blue light. Phone will go into listening and you will hear a tone.
- 2.4.3.2. Phone/Device is ready to take a voice command.
- 2.4.3.3. If device was muted, this test should bring it out of mute and device should go into listening.

## 2.5. Car Bluetooth Skip Forward Test

2.5.1. Setup:

- 2.5.1.1. Go to settings in the phone and pair to car Bluetooth. Complete Onboarding tests.
- 2.5.1.2. Say "Alexa, play some Coldplay." Make sure the song starts playing through the car speakers.

2.5.2. Action:

- 2.5.2.1. Press and hold the right arrow button on the device for <1 second.

2.5.3. Expected Result:

- 2.5.3.1. The next track will start playing.

Note: This should work even when device is muted.

## 2.6. Car Bluetooth Skip Backward Test

2.6.1. Setup:

- 2.6.1.1. Go to settings in the phone and pair to car Bluetooth. Complete Onboarding tests.
- 2.6.1.2. Say "Alexa, play some Coldplay." Make sure the song starts playing through the car speakers.
- 2.6.1.3. Say "Alexa, play the next track." Make sure the next song starts playing through the car speakers.

2.6.2. Action:

- 2.6.2.1. Press and hold the left arrow button on the device for <1 second.

2.6.3. Expected Result:

- 2.6.3.1. The previous track will start playing.

Note: This should work even when device is muted.

## 2.7. Car Bluetooth Error Test

2.7.1. Setup:

- 2.7.1.1. Go to settings in the phone and pair to car Bluetooth. Complete Onboarding tests.
- 2.7.1.2. Turn off phone data and disconnect phone from any available wifi.

2.7.2. Action:

- 2.7.2.1. Say "Alexa, what is the time

- 2.7.3. Expected Result:
  - 2.7.3.1. Device will show a flashing red light.

## 3. Car USB Tests

Required equipment:

1. iPhone with iOS 10 or higher
2. Android phone with standard Android 6 or higher.
3. Muse device
4. USB power source for Muse
5. Car stereo or USB-enabled stereo kit
6. USB cable

### 3.1. Car USB Wake Word Test

- 3.1.1. Setup:
  - 3.1.1.1. Complete Onboarding tests.
  - 3.1.1.2. Connect the phone to car USB.
- 3.1.2. Action:
  - 3.1.2.1. Say “Alexa, what is the time ?”
- 3.1.3. Expected Result:
  - 3.1.3.1. Device will wake up with a constant blue light. Phone will go into listening and you will hear a tone.
  - 3.1.3.2. Phone will then go into thinking. Device will show a flashing blue light.
  - 3.1.3.3. Phone will go into speaking. You will hear the response from the car speakers. Device will show a pulsing blue light.
  - 3.1.3.4. Phone comes back to initial screen. Lights go off on the device.

### 3.2. Car USB Mute On Test

- 3.2.1. Setup:
  - 3.2.1.1. Connect the phone to car USB. Complete Onboarding tests.
- 3.2.2. Action:
  - 3.2.2.1. Press and hold the microphone button on the device for ~1-2 seconds.
- 3.2.3. Expected Result:
  - 3.2.3.1. Device will go into mute with a constant red light on pressing the microphone button for ~1-2 seconds.
  - 3.2.3.2. There should be no response from device/phone for a voice command.



### 3.3. Car USB Mute Off Test

3.3.1. Setup:

- 3.3.1.1. Connect the phone to car USB. Complete Onboarding tests.  
Complete Car USB Mute On Test

3.3.2. Action:

- 3.3.2.1. Press and hold the microphone button on the device for ~1-2 seconds.

3.3.3. Expected Result:

- 3.3.3.1. Device will come out of mute and the lights go off, on pressing the microphone button for ~1-2 seconds.
- 3.3.3.2. Device will respond to voice commands similar to Car USB Wake Word Test.

### 3.4. Car USB Button Trigger Test

3.4.1. Setup:

- 3.4.1.1. Connect the phone to car USB. Complete Onboarding tests.

3.4.2. Action:

- 3.4.2.1. Press and hold the microphone button on the device for <1 second.

3.4.3. Expected Result:

- 3.4.3.1. Device will wake up with a constant blue light. Phone will go into listening and you will hear a tone.
- 3.4.3.2. Phone/Device is ready to take a voice command.
- 3.4.3.3. If device was muted, this test should bring it out of mute and device should go into listening.

### 3.5. Car USB Skip Forward Test

3.5.1. Setup:

- 3.5.1.1. Connect the phone to car USB. Complete Onboarding tests.
- 3.5.1.2. Say "Alexa, play some Coldplay." Make sure the song starts playing through the car speakers.

3.5.2. Action:

- 3.5.2.1. Press and hold the right arrow button on the device for <1 second.

3.5.3. Expected Result:

- 3.5.3.1. The next track will start playing.  
Note: This should work even when device is muted.

### 3.6. Car USB Skip Backward Test

3.6.1. Setup:

- 3.6.1.1. Connect the phone to car USB. Complete Onboarding tests.
- 3.6.1.2. Say “Alexa, play some Coldplay.” Make sure the song starts playing through the car speakers.
- 3.6.1.3. Say “Alexa, play the next track.” Make sure the next song starts playing through the car speakers.
- 3.6.2. Action:
  - 3.6.2.1. Press and hold the left arrow button on the device for <1 second.
- 3.6.3. Expected Result:
- 3.6.4. The previous track will start playing.
- Note: This should work even when device is muted.

## 3.7. Car USB Error Test

- 3.7.1. Setup:
  - 3.7.1.1. Connect the phone to car USB. Complete Onboarding tests.
  - 3.7.1.2. Turn off phone data and disconnect phone from any available wifi.
- 3.7.2. Action:
  - 3.7.2.1. Say “Alexa, what is the time
- 3.7.3. Expected Result:
  - 3.7.3.1. Device will show a flashing red light.

# 4. Muse Bluetooth Tests

## 4.1. Muse Bluetooth Wake Word Test

- 4.1.1. Setup:
  - 4.1.1.1. Go to settings in the phone and pair to Muse Bluetooth. Connect Muse to AUX. Complete Onboarding tests.
- 4.1.2. Action:
  - 4.1.2.1. Say “Alexa, what is the time ?”
- 4.1.3. Expected Result:
  - 4.1.3.1. Device will wake up with a constant blue light. Phone will go into listening and you will hear a tone.
  - 4.1.3.2. Phone will then go into thinking. Device will show a flashing blue light.
  - 4.1.3.3. Phone will go into speaking. You will hear the response from the car speakers. Device will show a pulsing blue light.
  - 4.1.3.4. Phone comes back to initial screen. Lights go off on the device.

## 4.2. Muse Bluetooth Mute On Test

### 4.2.1. Setup:

- 4.2.1.1. Go to settings in the phone and pair to Muse Bluetooth. Connect Muse to AUX. Complete Onboarding tests.

### 4.2.2. Action:

- 4.2.2.1. Press and hold the microphone button on the device for ~1-2 seconds.

### 4.2.3. Expected Result:

- 4.2.3.1. Device will go into mute with a constant red light on pressing the microphone button for ~1-2 seconds.
- 4.2.3.2. There should be no response from device/phone for a voice command.

## 4.3. Muse Bluetooth Mute Off Test

### 4.3.1. Setup:

- 4.3.1.1. Go to settings in the phone and pair to Muse Bluetooth. Connect Muse to AUX. Complete Onboarding tests. Complete Muse Bluetooth Mute On Test.

### 4.3.2. Action:

- 4.3.2.1. Press and hold the microphone button on the device for ~1-2 seconds.

### 4.3.3. Expected Result:

- 4.3.3.1. Device will come out of mute and the lights go off, on pressing the microphone button for ~1-2 seconds.
- 4.3.3.2. Device will respond to voice commands similar to Muse Bluetooth Wake Word Test.

## 4.4. Muse Bluetooth Button Trigger Test

### 4.4.1. Setup:

- 4.4.1.1. Go to settings in the phone and pair to Muse Bluetooth. Connect Muse to AUX. Complete Onboarding tests.

### 4.4.2. Action:

- 4.4.2.1. Press and hold the microphone button on the device for <1 second.

### 4.4.3. Expected Result:

- 4.4.3.1. Device will wake up with a constant blue light. Phone will go into listening and you will hear a tone.
- 4.4.3.2. Phone/Device is ready to take a voice command.
- 4.4.3.3. If device was muted, this test should bring it out of mute and device should go into listening.

## 4.5. Muse Bluetooth Skip Forward Test

### 4.5.1. Setup:

4.5.1.1. Go to settings in the phone and pair to Muse Bluetooth. Connect Muse to AUX. Complete Onboarding tests.

4.5.1.2. Say "Alexa, play some Coldplay." Make sure the song starts playing through the car speakers.

### 4.5.2. Action:

4.5.2.1. Press and hold the right arrow button on the device for <1 second.

### 4.5.3. Expected Result:

4.5.3.1. The next track will start playing.

Note: This should work even when device is muted.

## 4.6. Muse Bluetooth Skip Backward Test

### 4.6.1. Setup:

4.6.1.1. Go to settings in the phone and pair to Muse Bluetooth. Connect Muse to AUX. Complete Onboarding tests.

4.6.1.2. Say "Alexa, play some Coldplay." Make sure the song starts playing through the car speakers.

4.6.1.3. Say "Alexa, play the next track." Make sure the next song starts playing through the car speakers.

### 4.6.2. Action:

4.6.2.1. Press and hold the left arrow button on the device for <1 second.

### 4.6.3. Expected Result:

4.6.3.1. The previous track will start playing.

Note: This should work even when device is muted.

## 4.7. Muse Bluetooth Error Test

### 4.7.1. Setup:

4.7.1.1. Go to settings in the phone and pair to Muse Bluetooth. Connect Muse to AUX. Complete Onboarding tests.

4.7.1.2. Turn off phone data and disconnect phone from any available wifi.

### 4.7.2. Action:

4.7.2.1. Say "Alexa, what is the time

### 4.7.3. Expected Result:

4.7.3.1. Device will show a flashing red light.

## 4.8. Muse Bluetooth Call Answer Test

### 4.8.1. Setup:

- 4.8.1.1. Go to settings in the phone and pair to Muse Bluetooth. Connect Muse to AUX. Complete Onboarding tests.
  - 4.8.1.2. Make sure there is an incoming call on the phone.
- 4.8.2. Action:
  - 4.8.2.1. Press and hold the microphone button for <1 second.
- 4.8.3. Expected Result:
  - 4.8.3.1. The call should be answered.
  - 4.8.3.2. If device was muted, answering the call should bring it out of mute and the red LED should go off.

## 4.9. Muse Bluetooth Call Reject Test

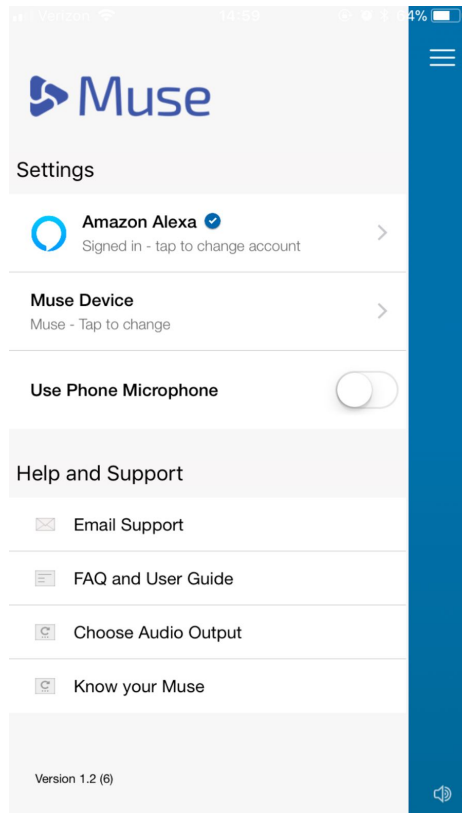
- 4.9.1. Setup:
  - 4.9.1.1. Go to settings in the phone and pair to Muse Bluetooth. Connect Muse to AUX. Complete Onboarding tests.
  - 4.9.1.2. Make sure there is an incoming call on the phone.
- 4.9.2. Action:
  - 4.9.2.1. Press and hold the microphone button for ~1-2 seconds.
- 4.9.3. Expected Result:
  - 4.9.3.1. The call should be rejected.
  - 4.9.3.2. If device was muted, rejecting the call should keep it in mute and the red LED should stay on.

## 4.10. Muse Bluetooth Call End Test

- 4.10.1. Setup:
  - 4.10.1.1. Go to settings in the phone and pair to Muse Bluetooth. Connect Muse to AUX. Complete Onboarding tests.
  - 4.10.1.2. Make sure you are on a call.
- 4.10.2. Action:
  - 4.10.2.1. Press and hold the microphone button for <1 second.
- 4.10.3. Expected Result:
  - 4.10.3.1. The call should end.

## 4.11. Repeat tests without Phone Microphone

Repeat 4.1 to 4.10 by turning off phone microphone as in the picture below:



NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.