

# Innexis SD2

## Instructions

### Installation of the Bluetooth SD2Upgrade Board in a Bose SoundDock Series II

The installation of the board can be carried out without any previous experience.

#### Overview:

The iPod docking connector in the Bose SoundDock (BSD) is easily damaged. Replacement is relatively straight forward but like everything the first time is more difficult and some may find it extremely fiddly. These instructions are to show the method of replacing the docking board in the BSD in a detailed step by step procedure.

The SoundDock is still the best sounding compact iPod dock around and one of the few things that can't be upgraded by going out and buying a better sounding unit at reasonable cost.

It is a good idea to watch the detailed 'how to' videos on YouTube. To access the videos for your specific dock then visit web page: <http://www.invebo.com/lookup/dockvalidate.php> and enter your dock serial number. Links to all resources for your dock will be sent by email.

A full step-by-step video version of these instructions is available in the technical guide section of our website. [www.invebo.com](http://www.invebo.com) see 'installing the SD2 SoundDock Series II Bluetooth Upgrade'. This is a video guide.

Note: NO SUPPORTED OVERLAY IS REQUIRED FOR THE SoundDock II.

#### General:

1. The full kit contains the T8 Torx Screw A **Supported Foam Overlay** is not required.
2. Initially it is not necessary to remove the four larger cross-head screws holding the base moulding on. The half moon moulding can be removed whilst all of these four screws are tight.
3. Three T8 screws hold the dock assembly in place. These are found on the underside of the half-round front moulding where the iPod plugs in. Once removed the assembly can be pulled out from underneath. You do this by gently carefully pulling the ribbon cable which is tucked under the lower cover. Pull it out so that about 1.5 to 2 inches (3 to 5cm) of ribbon is showing. Then hold onto the cable to prevent it coming out any further and pull it from the plug on the docking board.
4. You should now have the docking assembly, including the board and the plastic moulding, free in your hand. Put the body of the dock to one side.
5. Separation of the dock board from the base moulding .
6. Take SD2 board in your hand and have a look at it. Notice the ribbon connector at the edge of the board. See that there is a small darker section at each end that can be moved back and forth. This is the locking mechanism.
7. Using your fingernail ensure that the locking mechanism is out at both ends of the connector. In the out position the tabs are about 0.08" (2mm) out from the home position.
8. If the locking mechanism isn't in the open position then the ribbon won't go in. The insertion force is near to zero when it is correct. If you have to push to get the ribbon into the connector then check the lock mechanism is out at both ends.
9. Hold the dock so that the base is horizontal and uppermost. Loosen the four cross head screws about 1turn each. **DO NOT REMOVE** the screws completely.
10. Bend the ribbon cable backwards so that the end is parallel to and lying over the flat base moulding.
11. Hold the half new dock connector board with the base flat on the lower base of the

dock.

You will see that when plugged in the connector board will flip 180 degrees and the new board's connector will go into the dock so that it is in its final mounting position.

- 12.** Feed the end of the ribbon cable into the connector and when fully engaged and it is exiting perpendicular to the connector, push the locking tabs into the engaged position. You can use your fingernail. Note that moderate force is required to do this and it is necessary to each side more than once. Sometimes the other end pops out slightly when you push one end in.
- 13.** When the locking mechanism is fully engaged, give the ribbon cable a gentle tug to ensure that the ribbon is securely held in the connector. You should see a line of 24 bright tin contacts protruding an equal distance of approximately 1 millimetre out of the connector. If you can see more at one end than the other then the ribbon is not straight.
- 14.** Note that if for any reason you want to unplug the ribbon, you must first disengage the locking mechanism to let the ribbon slide out with zero force.

**15.** Gently feed the ribbon cable under the flat base moulding until the half moon moulding is in back in place.

**16.** Refit the three Torx screws and tighten them down all the while checking that the board is engaged on the mushroom pegs.

**17.** Inspect your work.

**18.** Now tighten down the four cross head screws in the base moulding.

**19.** Apply power to the dock. You will hear two fast beeps and then two slow beeps (4 beeps in total).

#### **Docking an Apple Device:**

Any Apple device can be docked as in an unmodified dock. It is **not necessary** to remove the iPod or iPhone from the dock when you want to stream over Bluetooth. Simply ensure that your device is connected to the dock and start streaming. If the device in the dock is playing then the audio will be interrupted and the Bluetooth audio will played.

If you pause or stop streaming then the dock will revert to the docked device's audio after approximately 5 seconds.

#### **Bluetooth Operations:**

**To stream audio:** from your phone or table then you must select the Bluetooth audio option. Refer to the instruction for your phone or tablet. When

streaming starts the innexis-SD2 will power up the dock and begin to play. The playback volume can be adjusted on the dock and on your mobile device.

**For best streaming quality** set the volume control on your mobile device to high and adjust the volume control on the dock to a comfortable setting.

#### **COMMANDS:**

**Enter pairing Mode:** Press and hold both dock volume buttons until ONE beep is heard. (After approximately 5 seconds) Release buttons. The dock will be discoverable and ready to pair for 90 seconds.

**Forget All paired Devices:** Press and hold both dock volume buttons until TWO beeps are heard. (One after approx 5 seconds, the second 5 seconds later). Release buttons.

**Force Bluetooth To Disconnect:** Press and hold both dock volume buttons until THREE beeps are heard. (One after approximately 5 seconds, the second 5 seconds later the last after approximately 15 Seconds). Then release the buttons.

The innexis-SD2 can pair with multiple devices but can only connect to one at a time. It is important to remember to disconnect or switch off the Bluetooth on paired devices that aren't required to operate the dock. You will be unable to connect one device to the dock whilst another is still connected by Bluetooth. This situation can happen when several people have phones and have paired

with the dock and they are still in range and they have not disconnected their Bluetooth connection. If this happens you can force disconnection by following the procedure below.

### To simplify:

Many devices can be paired but only **ONE** device can be connected to the innexis-SD2 at any time.

If you have paired more than one device with the SD2 and you are if you are unable to connect to the innexis-SD2 then force disconnection of other devices by pressing and holding both volume control buttons until three beeps are heard. There will be a pause of approximately 4 seconds between each beep. After you have forced disconnection you should be able to connect your device. **Note:** Turning off the Bluetooth on the other devices will also force disconnection.

### To pair your Bluetooth device with the innexis-SD2:

- Turn on Bluetooth on your phone or Tablet and make it discoverable.
- Press and hold down both dock volume buttons. After approximately 5 seconds you will hear a beep. The innexis SD2 will enter pairing mode for 90 seconds.
- The 'innexis-SD2' device name will appear in your device list.
- Select the device to pair with it.
- You will receive a message 'innexis-SD2' wants to pair' or something similar. (The

exact message depends on the version and manufacturer of your phone or tablet).

- Confirm any requests that appear on your phone/tablet display.
- The device should now be paired with your innexis-SD2 and 'connected' should be displayed.

To stream audio from your phone or table it is necessary to select the Bluetooth audio option. Refer to the instruction for your phone or tablet.

When streaming starts the innexis-SD2 will power up the dock and begin to play. The playback volume can be adjusted on the dock and on your mobile device.

For best streaming quality set the volume control on your mobile device to high and the volume control on the dock to a low setting.

### Trouble Shooting Guide

If you are Unable to connect then try one or more of the following:

1. Ensure no other Bluetooth devices are in range and connected.
2. Reset the Bluetooth on your phone by turning the Bluetooth off and back on again.
3. Follow the pairing procedure.
4. Instruct your phone to forget the SD2 and then follow the pairing procedure.

5. Force disconnect of all devices by pressing and holding both buttons until three beeps are heard.
6. Turn the dock power off, wait five seconds and power up the dock.

### If you can connect and stream but hear no audio:

1. Try another mobile device.
2. Try an iPhone device on the dock to ensure that the dock has power.
3. Ensure that the audio is routed to Bluetooth streaming on your device.
4. Press the dock + volume button (Turn up the volume on the dock).
5. Check the video on the website that shows how to check and re-plug your sound processor amplifier ribbon.

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