

#### **Stream audio with your BlueSTAR.**

The BlueSTAR 2010 now has the capability to utilize A2DP (Advanced Audio Distribution Profile) to stream music from any Bluetooth device player including apps such as Pandora, Rhapsody, Grooveshark and others.

#### **Important Information**

There are several steps involved in order to accomplish this upgrade, but first, it is important to note that when streaming audio from a device to your BlueSTAR, the audio will not automatically come over the radio speakers such as when on a call. The onstar audio path is mono, and not ideal for streaming. The BlueSTAR has a dedicated 3.5mm headphone jack on the side of the unit where the streaming will be output from. This output needs to be connected to the auxiliary input of your radio. If you do not have one built in, you will need to get an auxiliary input adapter. We do not currently offer this and cannot recommend any one model in particular. If a call should come in while streaming, the BlueSTAR will switch to hands free mode, so you can accept the call automatically.

#### **Required Steps**

In order to do the upgrade the following steps must occur:

1. The A2DP CFW code needs to be programmed into the BlueSTAR using the CPU
2. The A2DP init string needs to be programmed into the BlueSTAR using the CPU
3. The DSP needs to be upgraded to allow for A2DP profile to function using the CDPU
4. For optimal sound quality, the unit needs to be returned to CoSTAR Technologies for some component value changes. The current values suffer from poor low frequency response. Once steps 1-3 have been completed, contact CoSTAR tech support for return instructions.

## **Details:**

### **1. CFW programming:**

Like other version updates the main processor needs to get upgraded to support the new A2DP functionality. Use the COSTAR Programming Utility (CPU) to program the proper .CFW programming file, and then verify its version. Refer to the CPU Installation and Operation Manual if you have any questions.

### **2. Similar to the above, use the CPU to program the .txt file into your device. You will have to select the .txt file extension to select the proper file for this. Program as above.**

### **3. Next, use the COSTAR DSP Programming Utility (CDPU) to program your DSP. Refer to the CDPU Installation and Operation Manual if you have any questions. Before programming, verify the MAC address on your device. If your MAC starts with 00:07:80:92:xx:yy then you have the echo and noise cancellation already installed, and do NOT need a license key. IF your MAC address is any different from this, than you must contact tech support for further instructions. Please provide your MAC address in this case.**

With these three programming steps completed, you are now ready to test out your streaming capability. First step is to erase the BlueSTAR pairing from your cell phone. The programming procedure will automatically erase your cell from the BlueSTAR device.

Plug the unit into the vehicle and you should notice the RED / GREEN signal flashing indicating pairing mode. Search for devices with your cell, and you should see BlueSTAR – A2DP. Select this device and pair to it entering 0000 as the passcode if asked. Your phone may or may not automatically connect to both hands free and media formats. For Android devices, a long press on the BlueSTAR-A2DP device will bring up an options menu, where you can select the formats to connect with. Check both Phone and Media options. Consult your cell phone manufacturer for specific details.

When connected, you can simply stream from your cell using your favorite streaming app and audio should now come out of the headphone jack. If you notice low volume and poor frequency response (no bass) proceed to step 4.

### **4. For a limited time, CoSTAR will modify your BlueSTAR to achieve optimal performance free of charge. Consult techsupport for an RMA. We will provide instructions to send your unit in to the factory for modification. CoSTAR will return your unit when completed.**

Feel free to contact us at [techsupport@costartech.com](mailto:techsupport@costartech.com) should you have any questions.