

In answer to your question regarding the BHI NEDSP1061-KBD, Yes it will work in the AOR AR-7030 Plus. I bought both my units off of Ebay from BHI. I have not had the chance to detail fully what I did to install the unit due to computer problems and I also just had a shoulder arthroscopy. However, I put one in a Standard as well as a Plus, and am extremely happy with the results.

It is relatively easy to install; you remove C113 on the main board (it is labeled on the board and is located near the speaker connections) and wire the red and blue leads from the KBD module to where the cap was connected. There is also a ground lead on this cable which you need to solder to ground. This cable is long enough to work with and does not need to be extended like the power and ground leads as described further on. One thing I found was that C113 must be in the circuit or there will be no audio in bypass mode. I removed the blue lead from the KBD PCB and soldered one end of the cap to the board, and the other end to the blue lead. The unit will work from 5 to 15v, so you only have to find a voltage source which turns on and off with the main power switch. I had to use a different pin on the Plus unit for the power source because the one I was using on the Standard model was "always on" in the Plus model.

The biggest decision is where to locate the control module which has the LED and the button controller. It is designed to mount on an S-shaped bracket which is then "trapped" between the speaker and the top cover. For this to work properly in this location you have to 1) extend the power and ground leads on the KBD module by about 8 inches so you can remove and replace the top cover of the radio without yanking the unit out, 2) drill two holes in the top cover for the button controller and the LED (I used the supplied label for a template, and drilled from the top so most of the burrs from the drilling would be on the bottom side), 3) The top cover is so thick that you must relieve some of the metal on the bottom so that the button and LED protrude out far enough to be accessible (I used a Dremel and removed about half the thickness of the plate-you have to be careful and slow because the metal is very soft), 4) you have to reshape the S mounting

bracket slightly for correct alignment of the control module to the top cover (this is mostly trial and error but relatively quickly done with a set of pliers), and 5) loosen the speaker and slide the S bracket between the speaker flange and the top cover (the speaker is easily deformed so be careful not to over tighten the screws). I was a little dubious about the mounting arrangement, but it turned out to be very solid and secure. the button controller is tight and has a nice feel to it; does not move around at all.

I suppose you could find a way to mount the control unit on the rear panel so you do not have to drill the holes in the top cover, but this was not easily done in the Standard model I first installed the BHI unit in due to the internal battery option taking up most of the space back there. I was so pleased with the result I used the same location on the Plus unit.

I have had some emails from people expressing concern about drilling holes in the top cover and the effect that would have on the resale value of the radio. Except for the holes, the mod is easily reversible, so I guess if this is a concern then mounting the controller on the rear of the radio would be the way to go. You get audible feedback when you operate the controller, so it is not absolutely necessary to see the LED.

Another option would be to purchase a spare top cover. A few months ago I had a bad experience trying to get a replacement part for another radio, and decided I would not go through that with the 7030's. This is probably overkill, but I went on the AOR UK site and bought one of each type of spare part they had in the commonly used spare parts inventory: top cover, side rails, screws, volume and tuning encoders, LCD, etc.

As an aside, these are Very nice people to do business with. Mr. Hillier was concerned I might be using the LCD in the Standard Unit and took pains to publish a document on how to modify the newer LCD for use in the Standard radio. I cannot help but to compare this response with the non-responses I used to get from Ten-Tec when I was having problems with an RX-350, and the somewhat less than helpful responses from Icom and JRC at various times in the past..

I hope this helps you out. I will make a copy of this and post it in the groups if I can get it done before I get the BSOD (blue screen of death) on Vista x64 again. Tried to install Windows XP x64 and found out the hard way this is not easily done. Can't wait for Windows 7 to come out.

John

* POWER FOR THE BHI MODULE TAKEN FROM PIN 1 OF THE J1 ON THE NOTCH FILTER/NOISE BLANKER BOARD

BHI
NEDSP10G1-
K130 *

RED POWER
LEAD PIN
6

