



uPAC-FRD24

iPod and Auxiliary input Interface with HD Radio Option for Ford/Lincoln/Mercury CANbus Radios



The uPAC-FRD24 interface is a multi input media device compatible with select Ford/Lincoln/Mercury CANbus radios. The 2 inputs will support any of the following combinations: iPod/Auxiliary, iPod/HD Radio (HD Radio sold separately) or Auxiliary/HD Radio (HD Radio sold separately). The iPod input can be used with full control from the radio or full control from the iPod. The uPAC-FRD24 works with both 6-disc CD changer radios and navigation radios. If a factory SAT tuner or DVD video system is present, it will continue to operate as well. The optional HD Radio tuner is part number uPAC-HDRT. Please visit www.pac-audio.com for a complete list of supported vehicles.

Configuring the uPAC-FRD24 (iPod and Auxiliary input as devices):

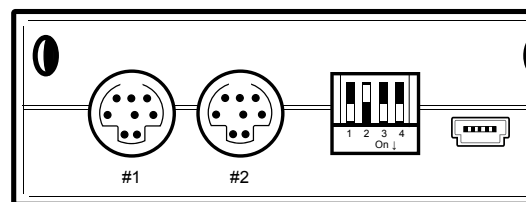
Before connecting the uPAC-FRD24 to the vehicle place switch 2 in the down (On) position.

Device 1 should be connected to the iPod cable.

Device 2 should be connected to the auxiliary input cable. If both the 3.5mm cable and RCA connections are used make sure to only have one of the 2 sources powered at a time.

For older radios only (early 2005 and possible others):

If the preset or seek buttons does not control the uPAC-FRD24 disconnect the interface, place switch 1 in the down (On) position and reconnect.



Note: If the optional HD Radio Tuner is used, refer to the uPAC-HDRT's connection manual for configuration and operation instructions. The USB connection has no function at this time.

Connecting to the vehicle:

With the key off, plug the 24 pin and 16 pin harnesses provided with the uPAC-FRD24 into the radio. Plug the original 24 pin and 16 pin (if available) into the receptacle connectors provided with the uPAC-FRD24. Make sure all other connectors (if any) are reconnected to the factory radio. Plug the 24 pin micro-fit cable into the uPAC-FRD24.

4 pin connector for 2008 Ford Focus, Escape and Mercury Mariner:

An additional cable is needed for installation into the above listed vehicles. The uPAC-FRDLCD cable will replace the existing LCD 12 pin connector (above the radio). Do not reconnect or use the original 12 pin LCD connector when using the uPAC-FRD24 interface.



Selecting the input (no factory SAT tuner installed):

Once all connections are made turning the radio on. Pressing the **AUX** or **SAT** button will select the uPAC-FRD24. The options are:

SAT 1 (iPod full control from radio) → SAT 2 (iPod no control from radio) → SAT 3 Auxiliary 2

Selecting the input (with factory SAT tuner installed):

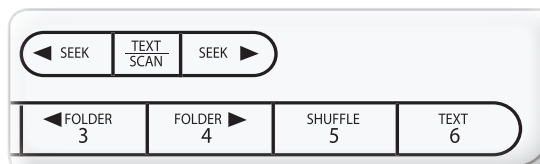
Pressing the **AUX** or **SAT** button will select (after the previous 3 AUX modes):

SAT 1 (XM/Sirius) → SAT 2 (XM/Sirius) → SAT 3 (XM/Sirius)

If there is a factory installed AUX connector it will be active when "Line In" is displayed. The SAT modes will cycle in a continuous loop each time the **AUX** or **SAT** button is pressed on the radio.

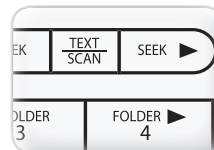
Controlling the iPod:

- **SEEK ►** advance 1 song in an album or playlist.
- **◀ SEEK** move back 1 song in an album or playlist.
- **Preset #6** Fast Forward in the song that is currently playing.
- **Preset #5** Rewind in the song that is currently playing.



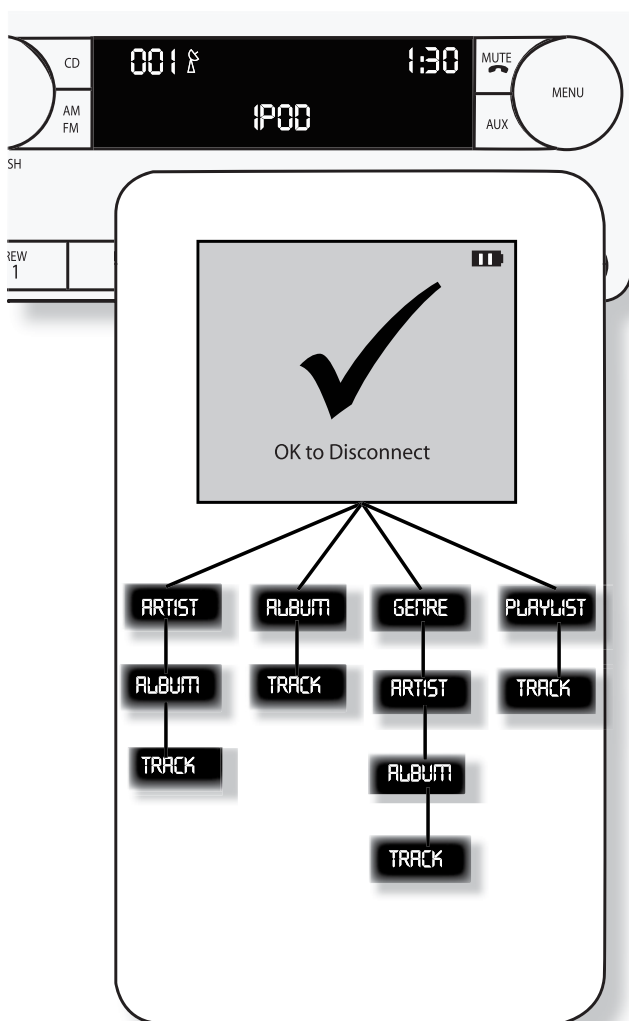
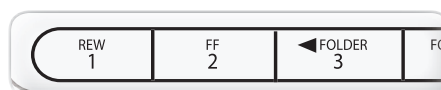
Display options:

- **Preset #4** or **TEXT/SCAN** (if available) selects what is to be displayed on the radio (artist, song title or play counter).



Browsing:

- **Preset #2** Enters browsing and moves forward to the next step when pressed again.
- **Preset #1** Takes one step back in the browsing process.
- **Preset #3** exits the browsing process.



Example of Operation (iPod full control):

- Press **AUX** or **SAT** button until **iPOD** is displayed.
- Press **Preset #2** until **F ARTIST** is displayed.
- Using the **SEEK ►** and **◀ SEEK** select an artist currently loaded on the iPod. Press **Preset #2** to select the artist.
- Using the **SEEK ►** and **◀ SEEK** select an album by the previously selected artist. Press **Preset #2** to select the album.
- Using the **SEEK ►** and **◀ SEEK** select a track from the previously selected album. Press **Preset #2** to select the track to be played.

The track will begin to play and you can select the next or previous track by using the **SEEK ►** or **◀ SEEK** buttons on the radio.

DISCLAIMER: Under no circumstances shall the manufacturer or the distributors of the uPAC-FRD24 be held liable for consequential damages sustained in connection with the uPAC-FRD24. The manufacture and it's distributors will not, nor will they authorize any representative or any other individual to assume obligation or liability in relation to the uPAC-FRD24 other than its replacement.

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