



# uPAC-GM29

iPod and Auxiliary input  
Interface with HD Radio Option for  
General Motors 29bit GMLAN Radios



**The uPAC-GM29 interface is a multi input media device compatible with select General motors 29bit GMLAN 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 as full control from the radio or full control from the iPod. The uPAC-GM29 works with navigation and non-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](http://www.pac-audio.com) for a complete list of supported vehicles.**

## Configuring the uPAC-GM29 (iPod and Auxiliary input as devices):

Before connecting the uPAC-GM29 to the vehicle place all switches in the up (Off) position.

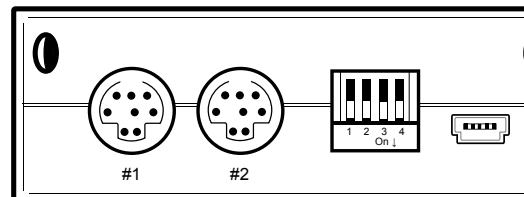
Device 1 should be connected to the iPod cable.

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.

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.

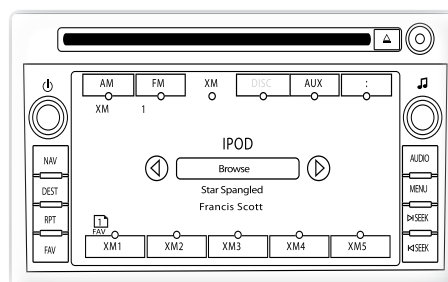
## Connecting to the vehicle:

With the key off, plug the 14 pin and 16 pin harnesses provided with the uPAC-GM29 into the radio. Plug the original 14 pin and 16 pin into the receptacle connectors provided with the uPAC-GM29. Make sure all other connectors (if any) are reconnected to the factory radio. Plug the 24 pin micro-fit cable into the uPAC-GM29.



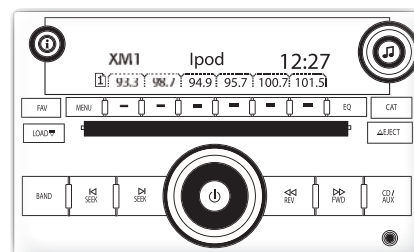
## Selecting the input (navigation radio):

Press the **XM** button. Once in the mode select menu, turn the rotary tune knob in the top right hand corner to scroll through available sources (iPod or AUX). Once desired input is displayed, press the **►** button to select the displayed mode. If you are currently in SAT mode you will need to press the **► ISEEK** button instead of the **►** button to select the desired input. If AUX is selected, turning the rotary knob will display AUX 1 or AUX 2. Press the **►** to select (AUX 1 = iPod no radio control and AUX 2 = Device 2).



## Selecting the input (all other radios):

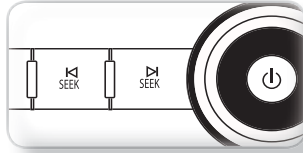
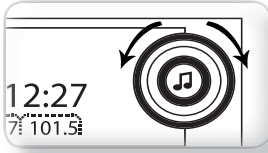
Press the **BAND** button a few times until XM is displayed on the screen. Once in the mode select menu, turn the rotary knob in the top right hand corner to scroll through available sources (iPod or AUX). Once the desired input is displayed, press the **FWD>>** button to select the displayed mode. If you are currently in SAT mode you will need to press the **► ISEEK** button instead of **FWD>>** to select the desired input. If AUX is selected, turning the rotary knob will display AUX 1 or AUX 2. Press the **FWD>>** too select (AUX 1 = iPod no radio control and AUX 2 = Device 2).



## Controlling the iPod:

### Non-navigation:

- **Next Track** - turn the rotary tune knob to the right one notch.
- **Prev. Track** - turn the rotary tune knob to the left one notch.
- **Fast Forward** - current track press ► **ISEEK**.
- **Rewind** - current track press ◀ **ISEEK**.



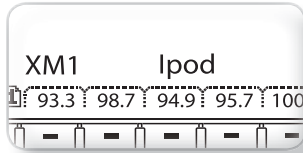
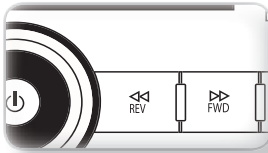
### Browsing:

#### Entering Browse Menu / Select

Press the **FWD>>** button to enter the Browse menu. Use the tune knob to scroll through the available options. Press **FWD>>** to chose the displayed option.

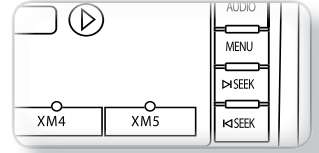
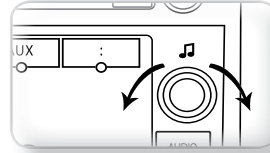
#### Exit Browse Menu / Folder Back:

Press **<<REV** to move one step back in the Browse menu. When the radio displays Browse wait several seconds, this will automatically exit the Browse menu.



### Navigation:

- **Next Track** - turn the rotary tune knob to the right one notch.
- **Prev. Track** - turn the rotary tune knob to the left one notch.
- **Fast Forward** - current track press ► **ISEEK**.
- **Rewind** - current track press ◀ **ISEEK**.

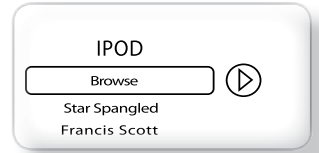
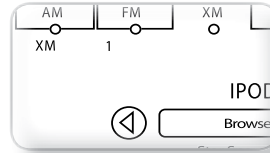


#### Entering Browse Menu / Select

Press the ► button to enter the Browse menu. Use the tune knob to scroll through the available options. Press ► to chose the displayed option.

#### Exit Browse Menu / Folder Back:

Press ◀ to move one step back in the Browse menu. When the radio displays Browse wait several seconds, this will automatically exit the Browse menu.



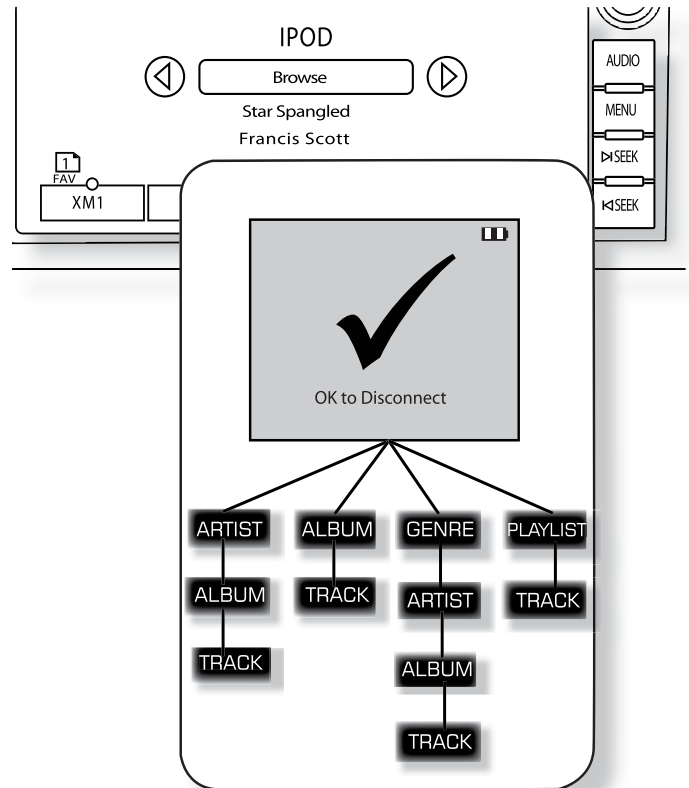
## Other Controls:

### Steering Wheel Controls:

- ▲ - advance to the next track.
- ▼ - return to the previous track.
- ►I - enter the Browse menu.
- ▲ or ▼ - while in the BROWSE menu to scroll through options.
- ►I - while in the Browse menu to select the displayed option.

## Example of Operation (iPod full control):

- Enter IPOD mode using the **BAND** or **XM** button (depending on radio).
- Press (**FWD>>** or ►) until F-Artist is displayed.
- Using the tune knob select an artist currently loaded on the iPod. Press (**FWD>>** or ►) to select the artist.
- Using the tune knob select an album by the previously selected artist. Press (**FWD>>** or ►) to select the album.
- Using the tune knob select a track from the previously selected album. Press (**FWD>>** or ►) 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 tune knob on the radio.



**DISCLAIMER:** Under no circumstances shall the manufacturer or the distributors of the uPAC-GM29 be held liable for consequential damages sustained in connection with the uPAC-GM29. 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-GM29 other than its replacement.

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