

PIE XM5-FRD04 2004-UP FORD AUDIO INPUT ADAPTER WITH 5-VOLT SUPPLY

What is an auxiliary input adapter? An auxiliary input adapter is a vehicle specific device that connects to the radio's Rear Seat Entertainment port and converts it to an audio input to allow audio from any device to be heard on the factory audio system. The XM5-FRD04 will convert the Rear Seat Entertainment port on select Ford/Lincoln/Mercury "CAN-BUS" radios to stereo mini-jack input. **The XM5-FRD04 will allow direct audio input of the XM MyFi, TAO, Pioneer Airware, Rody XT or Audiovox XPress or any audio device with 5-Volt power requirements through the RSE port of the Ford OEM radio for optimum sound quality.** The built-in 5Volt power supply of the XM5-FORD04 powers the XM unit directly, eliminating the need to use the external cigarette lighter adapter. Compatible radios will have an "AUX" button and a **16-pin** "Phase II" radio connectors found in the following vehicles:

FORD	LINCOLN
2004 -06 F-150	2006 Mark LT
2005 -06 F-250	2006 Zephyr
2005-06 F-350	
2005-06 F-550	MERCURY
2005-06 Focus	2005-06 Montego
2005-06 Freestyle	2006 Milan
2005-06 Five Hundred	
2005 -06 Mustang	

Footnotes:
Compatibility may exist with select Navigation radios depending on radio model number.

Note: The XM5-FRD04 is NOT compatible if vehicle is equipped with factory Rear Seat Entertainment (RSE) system, Navigation or factory satellite radio—they must be disconnected to use the XM5-FRD04

1. INSTALLATION

1. Disconnect the negative battery terminal
2. Remove the factory radio to gain access to the connectors on the back of the radio. (radio removal instructions for select vehicles is available below)
3. Remove any connector that may be in the 16-pin DATA port of the Ford radio
4. Plug the 16-pin connectors of the XM5-FRD04 into the 16-pin DATA port on the Ford radio
5. Reconnect the factory 16-pin (if present) connectors into the mating socket on the XM5-FRD04
6. Connect BLACK/GREEN wire of the XM5-FRD04 to ground (vehicle chassis)
7. Connect GRAY/VIOLET wire of the XM5-FRD04 to a constant +12V source— See 24-pin diagram below for wire location
8. Determine the mounting location for the XM unit and mount as per the manufacturer's instructions.
9. Connect the supplied 3.5mm male to male cable between the XM unit and the XM5-FRD04
10. Connect the supplied 5-Volt power cable between the XM unit and the XM5-FRD04

11. Reinstall the factory radio into the dash
12. Reconnect the negative battery terminal.

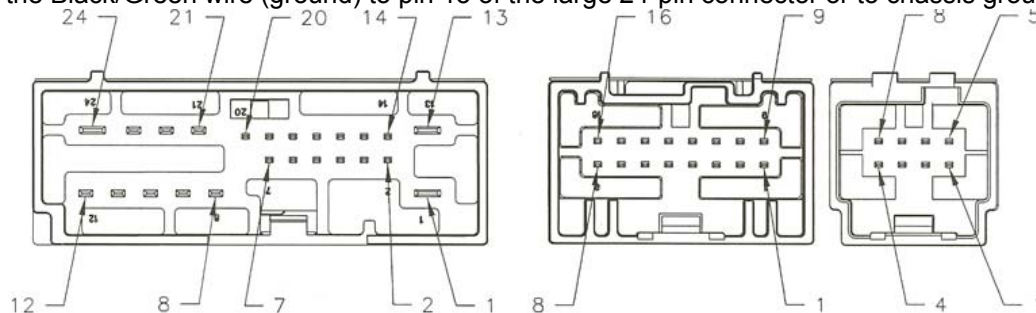
2. VERIFY OPERATION:

1. With radio on, activate auxiliary device
2. Set volume on auxiliary device to preferred listening level
3. Press "AUX" button on the radio to gain access to the auxiliary audio input
4. Display on radio will show "DVD/CD" for a few seconds, then display "PIE".
5. Verify that audio of auxiliary device is heard
6. Set volume on auxiliary device to preferred listening level



FORD CAN-BUS 24, 16 & 8-PIN WIRING DIAGRAM

When installing the XM5-FRD04 you will need to connect the Gray/Violet wire to pin1 (battery) and the Black/Green wire (ground) to pin 13 of the large 24-pin connector or to chassis ground.

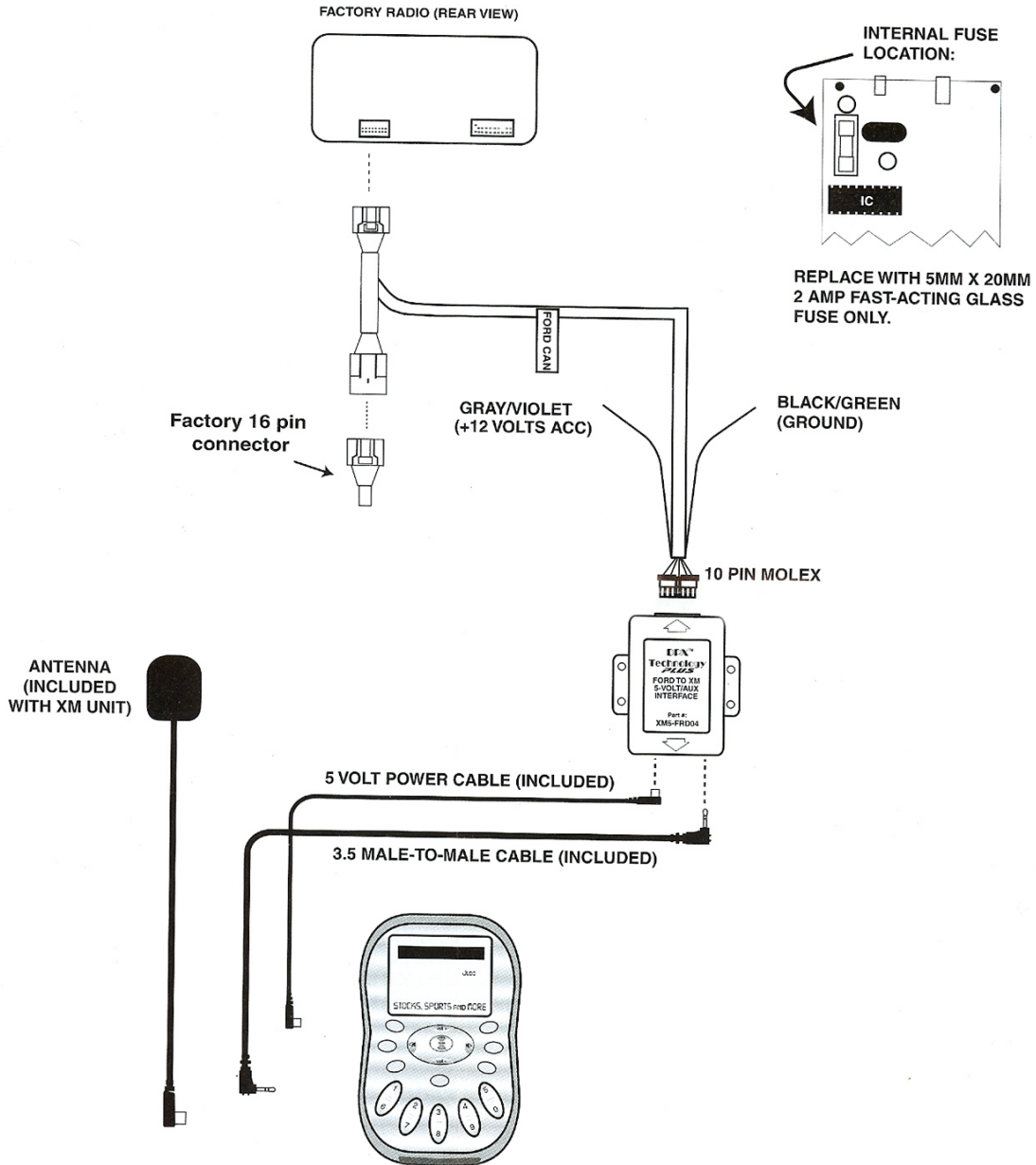


J1		J3		J4	
PIN	SIGNAL	PIN	SIGNAL	PIN	SIGNAL
1	BATTERY	1	STEREO IN L+ (FES & CDDJ)	1	AUX AUD 1+
2	RUN/ACCESS	2	STEREO IN L- (FES & CDDJ)	2	AUX AUD 1-
3	ILLUMINATION+	3	STEREO SHIELD	3	AUX AUD 1 SHIELD
4	ILLUMINATION-	4	MONO IN+ (PHONE & TELEM.)	4	AUX AUD ENABLE
5	N/C	5	MONO IN- (PHONE & TELEM.)	5	N/C
6	N/C	6	N/C	6	N/C
7	PHONE TRANS. ACTIVE (PTA)	7	N/C	7	N/C
8	LF SPEAKER+	8	N/C	8	N/C
9	LR SPEAKER+	9	STEREO IN R+ (FES & CDDJ)		
10	RR SPEAKER+	10	STEREO IN R- (FES & CDDJ)		
11	RF SPEAKER+	11	N/C		
12	RF SPEAKER-	12	N/C		
13	POWER GROUND	13	MONO SHIELD		
14	VEHICLE SPEED	14	N/C		
15	START	15	MS CAN A		
16	N/C	16	MS CAN B		
17	N/C				
18	SWC+				
19	SWC-				
20	(REAR PARK AID)				
21	LF SPEAKER-				
22	LR SPEAKER-				
23	RR SPEAKER-				
24	N/C				

3. INSTALLATION DIAGRAM

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XM5-FROD04 INSTALLATION DIAGRAM



4. DASH DISASSEMBLY INSTRUCTIONS

Dash disassembly is not provided by the manufacturer, however Discount Car Stereo did a little research and decided to provide this info to help aid those customer who prefer to do their own installation.

2004-06 FORD F-150 (NEW STYLE)

1. Carefully pry radio dash trim bezel outward, disconnect all harnesses from back of trim bezel and remove bezel
2. Remove the (4) 9/32 screws securing the factory radio to the sub-dash
3. Pull radio forward, disconnect all harnesses and antenna lead and remove radio

2005-06 FORD FREESTYLE

1. Open the storage compartment located above the radio/vent trim bezel.
2. Starting from the top edge and working your way down the sides toward the bottom, carefully pry the radio/climate control trim bezel forward, disconnect all harnesses from the rear of the trim bezel and remove bezel.
3. Remove the (4) 9/32 screws securing the radio to the sub-dash. Carefully pull radio forward, disconnect all harnesses and antenna lead and remove radio

2005-06 FORD F-SERIES SUPERDUTY PICKUPS

1. Engage the parking brake
2. For automatic transmission vehicles only, insert key into the ignition and turn to the ON position and depress the brake pedal, (DO NOT START THE VEHICLE!) then place the shift lever into the lowest position.
3. Lower the steering column all the way down
4. Starting at the top edge of the dash trim bezel, carefully unclip and pull forward the dash trim to access all the wire harness connectors attached to the features on the rear of the trim bezel.
5. Carefully disconnect all the connectors on the back side of the dash trim bezel and removal bezel
6. Remove the (4) 9/32 screws securing the radio to the sub-dash
7. Carefully pull radio forward, disconnect the wire harness and antenna lead from the rear of the radio and remove radio.

2004-UP FORD FREESTAR & 2004-UP MERCURY MONTEREY

1. Carefully unclip and remove the radio/climate control trim bezel from the factory radio
2. Disconnect the harness from the rear of the radio/climate control bezel and remove bezel
3. Remove the (4) 9/32 screws securing the factory radio to the sub-dash
4. Carefully pull radio forward, disconnect the wire harness and antenna lead from the factory radio and remove radio

2005-06 FORD FOCUS

1. Carefully pry forward and unclip radio/climate control trim bezel and disconnect the 12V receptacle plug from the rear of the bezel
2. Lay the trim bezel assembly out of the way (disconnecting the climate control cables or harnesses is not necessary)
3. Remove the (4) 9/32 screws securing the radio to the sub-dash
4. Carefully pull factory radio forward, disconnect the wire harness and antenna lead from the rear of the radio and remove radio.

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