

PRODUCT SAFETY & DISCLAIMER

READ ALL INSTRUCTIONS CAREFULLY BEFORE INSTALLING, FAILURE TO DO SO MAY CAUSE PERSONAL INJURY OR DAMAGE TO PRODUCT AND/OR PROPERTY

- This installation guide is provided as a GENERAL installation guide, some vehicles vary and may require additional steps. We do not accept responsibility for third party labor charges or modifications. Exercise due-diligence when installing this product.
- We do not accept any responsibility for vehicle damage or personal injury resulting from the installation of this product.
- Careless installation and operation can result in equipment damage.

Requirement

Fully functioning CD auto changer in trunk/hatch

Introduction

This easy to install "triple play" kit is essential to keeping your classic as stock possible with up-to-date Bluetooth features. This module sounds great for mobile conversations, streaming music, AUX playback and more.

NEW! Bluetooth media button is used to control smartphone volume, pause, play tracks, answer/end calls and more and is easily mounted to steering wheel or dashboard. In addition, an **optional** USB Type-C "Smart charge" kit is an available option to charge those power-hungry devices while on the road. Keep original radio and CD changer while enjoying Bluetooth features only available in newer cars.

Note: The A2DIY-JAG98 does not interfere with functionality of existing AM/FM/radio and requires a functioning 6-disc auto changer.

See **Frequently Asked question** at the end of this guide for more details.

Installation

Audio module connects to CD auto changer plug in trunk/hatch

1. For XJ: Remove carpet trim piece surrounding audio rack (See **Fig. 1**). If navigation is missing (**Fig. 1A**); use open space to access the CD changer connecting plug, however; if vehicle has navigation, accessing plug requires unlocking the "inner frame":
Remove (2) 7mm bolts on right and left side (See **Fig. 1A, 1B**)
Remove (2) 7mm bolts from top (See **Fig. 1A, 1B**)



Fig. 1



Fig. 1A



Fig. 1B

2. Pull inner frame out.
3. On CD changer, locate short black pigtail cable (it's the only cable on CD changer) See Fig. 2



Fig. 2

4. Remove cable from holding tab (See Fig. 2), and disconnect by pulling apart **(do not twist)**
5. Once disconnected; female (on the right) leads to changer and male plug (on the left) leads to amplifier or radio - (See Fig. 3)



Fig. 3

6. Align "markers" on factory male plug with that of female connector on module and connect them **(Do not twist to connect)**. See Fig. 4)



Fig. 4

7. Connect module 90-degree male plug (See Fig. 4a) to CD changer female socket (See Fig. 3)

Warning: Ai-NET type terminals are "keyed" and risk damage when connecting. The right-angle plug on module (See Fig. 4a) does not have alignment marker; Use imaginary marker (arrow) shown in Fig. 4a when connecting this plug to the CD auto changer socket (See Fig. 3), otherwise risk damaging plug.



Fig. 4a

Noteworthy:

There are multiple Ai-Net type plugs/sockets connections between audio rack components and more so in vehicles with premium sound (e.g., Amplifier, Navigation, etc.). In premium audio systems the audio module connects between CD changer and amplifier and in standard systems (no amplifier) between CD changer and radio.

To minimize connecting errors, locate single black pigtail on the CD auto changer – (female connector end as seen in Fig. 3/4.)

Connecting audio module to something other than CD auto changer will result in low or no audio playback, no power to radio etc.

8. Route audio module 6-pin plug to center console area.

Routing audio cable (Sedan)

1. Use pry tool to open gap between window pillar and rear deck as seen in Fig. 5. From inside trunk fish audio plug (See Fig. 4a) through and into the cabin. (See Fig. 6)



Fig. 4b



Fig. 5



Fig. 6

2. Pull excess cable and begin tucking under backrest and seat cushion as you work towards the rear of the center glove box (armrest) as seen in Fig. 7, Fig. 8 and Fig. 9



Fig. 7



Fig. 8



Fig. 9

3. Continue to use pry tool or fingers to fish wire under center glove box to storage bin.
4. **To remove storage bin:** Open the center glove box and remove 2 Philips head screws from latch cover and two more from hinge then remove the single screw on retainer bracket.
5. Lift to remove storage bin and set aside.
6. Locate audio plug fed through in step 3 and **gently pull excess cable.**

Note: The aforementioned steps apply to sedan models. X100 (convertibles) requires additional steps not part of this guide.

Bluetooth module connection

In our 2001 XJR test vehicle with Premium audio; Bluetooth module was installed in armrest (See Fig. 10). This area is also home to factory phone plug (See Fig. 11) and cigar lighter supply, either can be used to power module (see Fig. 10).



Fig. 10



Fig. 11
10-pin female plug

1. Connect/Tap module **red wire** to 12V accessory supply (**Do not connect to constant battery supply**)

If vehicle has a factory phone plug (see Fig. 11/11a) under center armrest, use chart below to locate accessory wire on said connector/plug. **Always test voltage prior to finalizing.**

| Factory connector/Plug | Accessory wire | Ground wire |
|------------------------|----------------------|----------------|
| 10-pin Female (white) | Pin 10 (light green) | Pin 6 (black) |
| 10-pin Male (yellow) | Pin 10 (white/green) | Pin 6 (black) |
| 14-pin (yellow) | Pin 13 (Green) | Pin 11 (black) |
| 18-pin male (yellow) | Pin 5 (Green) | Pin 11 (black) |



Fig. 11a
14-pin male connector

2. If vehicle does not have a phone plug; connect accessory wire to cigar lighter supply lines under console:
Cigar lighter white/blue wire is 12V accessory.



Fig. 12

Note: Cigar lighter supply may introduce noise into the system especially if used to supply power to a USB charging device, in which case consider an alternate (we recommend factory phone plug). If engine noise is still an issue, consider adding a [noise filter](#) or similar.

3. Connect 6-pin DIN audio plug routed from trunk/hatch (See **Fig. 4**) to female socket on module (see **Fig. 13**)



Fig. 13

4. Secure module and proceed to next section

Playback options explained

These options are available at checkout:

1. Retain changer playback (**default**)
2. Auxiliary input (instead of changer playback)

1. Retain changer playback:

Default option allows users to retain use of their 6-disc CD auto changer.

Proceed to installation step 3 below.

2. AUX input (instead of CD playback):

Instead of being able to play CD's, this option provides an aux input jack to which users connect and play portable audio devices (e.g., sat radio, Alexa, iPod, Mp3 etc.)

Warning: Aux input options replaces CD playback. **The CD auto changer remains connected but will no longer play.**

Connect included 3.5mm audio cable (See **Fig. 14**) to module "AUX" jack (See **Fig. 15**)

1. Route audio cable plug to where audio device will reside (within 3 ft.)
2. **Proceed to installation step 3.**



Fig. 14
Audio cable



Fig. 15
Module

3. Attach microphone and bracket mounting bracket to headliner, sun visor etc.
4. Route microphone cable down pillar, under dashboard and into center armrest where module is installed.
5. Connect microphone plug to module "MIC" input. (See **Fig. 15**)
Wind noise (Convertibles) will negatively affect phone audio. Users are advised to install microphone away from wind/ventilation ducts etc.



Visor microphone
Fig. 16



Optional USB type-C charging kit (charge only)



Optional USB type-C charger can be added to the A2DIY-JAG98 kit. Should you decide to add it, we suggest one of 3 installation options:

- A. Flush to dash/panel requires drilling a 3/4" hole**
- B. Flush with support bracket** (Mount terminal wherever your installation demands without drilling)
- C. Freestanding-** (default)

A. Flush to dash/panel (drilling required)

1. Drill a 3/4" hole in the dash/panel using a step drill bit or equivalent (See **Fig. 10**)



Fig. 10
Step drill bit

2. Insert cable through hole created in step 1
3. On module installation harness locate charger **Fig. 11**
4. Connect cable from step 2 to charger USB type C- port



Fig. 11

5. Snap USB head to opening until flush with surface (See Fig. 12)



Fig. 12

Tuck and secure any extra wire from moving parts and test operation

Feature comparison chart

| Feature | JAG-HF | JAGCD-HF | BT45-JAG | AZDIY-JAG98 | A2DIY-JAG98R |
|--------------------------|--------------|--------------|----------|-------------|--------------|
| CD changer retention | X | ✓ | X | ✓ | ✓ |
| Audio input (aux) | ✓ | ✓* | X | Optional | Optional |
| Charging (USB) | ✓ | ✓ | X | Optional | Optional |
| Mutes (all radio modes) | X | X | ✓ | X | X |
| Visor microphone | X | X | ✓ | ✓ | ✓ |
| Requires CD changer | ✓ | ✓ | ✓ | ✓ | ✓ |
| Voice Recognition | ✓ | ✓ | ✓ | X** | X** |
| Requires phone plug | X | X | ✓ | X | X |
| Plug-n-play installation | X | X | ✓ | X | X |
| Smart media button | ² | ² | ✓ | ✓ | ✓ |
| Module installs: | Armrest | Armrest | Armrest | Armrest | behind radio |

*Aux input instead of CD changer

** activate VR on audio device as customary

² optional [remote](#)

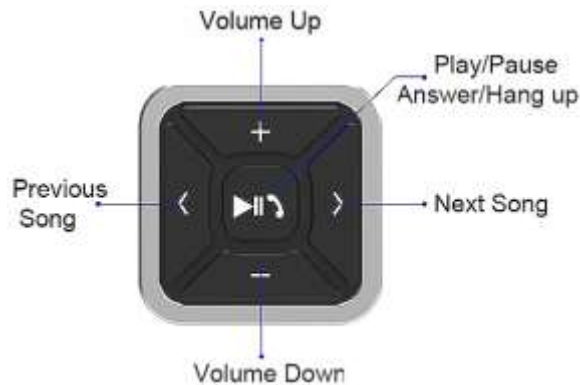
Bluetooth media button

The media button pairs to Apple and Android devices (does not pair to module), which means you are also able to use outside the car.

Pairing: Ensure Bluetooth is enabled on your device (e.g., Smartphone/Tablet etc.) Scan/search for available devices and select BT009 from list.

Or Press/hold Play/Pause button until Green/Blue LED flashes, Search device for available devices and select BT009.

Media button can be paired with multiple devices but can only operate one at a time



Pairing Bluetooth module

This process is done upon initial install and will not have to be repeated.

1. Turn ignition and radio "ON"
Blue LED through module peephole will flash (pairing mode)
2. On A2DP device: go to **Bluetooth Settings, Tap to Scan**
3. Wait for Bluetooth device name (See image below) to appear and tap it.
Once paired confirmation tone is heard on car speakers

Bluetooth



Now discoverable as "King Solomon's iPhone".

MY DEVICES

LANNI

Connected ⓘ

Bluetooth operation

1. Turn ignition to "ACC" or "ON"
2. Turn radio ON.
3. Press "CD" button on radio to switch to Bluetooth mode



Fig. 27

3. Launch audio device streaming application.
4. **Set audio device initial volume to 80%**, and raise radio volume knob to set playback level. If distorted, lower audio device volume.
5. Use media button to change tracks, adjust device volume, pause etc.
6. Place test call or ask someone to call. Press remote **Pause/Play** to answer/end call.
7. **Ensure Smartphone call volume setting is at least 90% otherwise callers may not be heard on car speaker.**
8. To switch between CD or AUX playback and music stream press media button **Pause/Play**
9. If correct operation is confirmed go ahead and reinstall radio.

Warning: Playlist/Track selection *NOT* possible from Jaguar radio buttons. Use audio device built-in controls or wireless remote to access and control audio files and applications.
Muting speaker works only when radio is in "CD" mode. If in AM/FM mode, radio will not mute upon initiating or receiving calls.



Frequent ask questions & troubleshooting

- What is the difference between the A2DIY-JAG98 and A2DIY-JAG98R?**
The A2DIY-JAG98R connects to the radio and applicable to 1997*-99 XK and XJ and 2000-06 XK and 2000-03 XJ **Standard audio system.**
Note: 2000+ vehicles with Premium Audio system (amplifier in trunk— See Fig. 28) require our A2DIY-JAG98. To be clear, 2000-03 XJ and 2000-06 XK premium audio (amplifier in trunk) requires the A2DIY-JAG98.



Fig. 28

- Can I pair more than one device to Bluetooth module?**
YES; pairing multiple devices is possible, however only one device can connect at a time. Disconnect first device to allow pairing to another device.
- Will I be able to use both music and Navigation apps at the same time?**
YES! When streaming and Navigating (e.g., Waze etc.); music will mute during navigation guidance and return to previous state when guidance ends. If a call is made or received, both Navigation guidance and streaming are muted until call is ended.
- After installing and testing the system everything works, but there is engine “whine”. (Increases with RPM) What can I do to fix this?**
Ensure all connections are snug.
If powering module with cigar lighter: remove any charging (e.g., USB)

- device from cigar lighter port.**
Relocate accessory wire (see phone plug chart on page 5)
Install suitable [noise filter](#).
- Which devices can be charged on optional charging kit?**
Optional “Smart” charging kit supports BC1.2, QC2.0, QC3.0, PE1.1, PE2.0, FCP, SFCP fast charge protocols (Apple, Samsung, Huawei etc.). iPhone “Fast charge” kicks in when battery capacity is between 0- 79%, but returns to regular charge mode when it reaches 80%.
- How do I listen to the CD changer or AUX device?**
To listen to CD’s or AUX, press **play/pause** button on media button or from audio device.
- Can I connect the A2DIY-JAG98 audio module to the radio?**
NO; the A2DIY-JAG98 audio module connects to CD changer plug in luggage compartment or hatch and Bluetooth module installs beneath armrest.
- What is the vehicle application and where does audio module connect?**
The A2DIY-JAG98 is specific to the following Jaguar vehicles:
1997*-03 (x308) (To CD changer plug in luggage compartment)
1997*-06 (x100) (To CD changer plug in luggage compartment)
- I hear clicking sounds as I use my device, how can I stop this?**
Go to device settings and disable touch sounds.
- My module does not always pair when entering vehicle. How to I remedy this?**
Module may not pair if already paired to another device (last connected device). Should this happen, check that no other device has already paired, turn ignition off and back on or disable/re-enable Bluetooth on device.
- It is possible to change device Bluetooth name to my own?**
This may be possible on most Android devices but not so on recent iPhones:
Make sure module is powered on and connected.
Go to  one settings and tap Bluetooth.
Tap Next then tap Name 
Enter a new name (e.g., Jaguar-BT etc.) tap done on keyboard, then tap Custom name given now appears in Bluetooth settings of your device.
- Playback is distorted, how do I fix this?**
One likely cause for distorted playback is high volume setting on audio device. To fix, turn radio volume up to comfortable level, then lower volume on device until it no longer distorts.

13. **I have older module version with push-button microphone and smart remote. Will I be able to upgrade to new Bluetooth remote control?**
YES. Purchase Bluetooth remote control [here](#). Pair to smartphone/tablet and enjoy. Push button will still function but is no longer necessary because the media remote control pause/play replicates push-button functions.
14. **Callers can hear me, but I can't hear them- why?**
One likely reason is the Smartphone call volume is set too low. Please raise call volume level on your device to comfortable level.
15. **Does this kit mute the radio (AM/FM) when calls are made or received?**
NO. This module does not mute the speakers if radio is in AM/FM mode. When phone rings, press "CD" button on radio to switch to Bluetooth mode. Your smartdevice will mute speakers if radio is in "CD" mode (Bluetooth mode).

*Late 1997 with Ai-NET CD plug only. Early 1997 with 8-pin DIN plug do not apply.

Disclaimer

- This product has no affiliation with Jaguar
- We're not liable for misuse of this product.
- Professional installation recommended

For help email support@discountcarstereo.com

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