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A2DIY-JAG98

QUICK START BLUETOOTH INSTALL GUIDE FOR 1997-06 XK (X100) AND 1998-03 XJ (X308) WITH CD CHANGER
(Not applicable to other model/years)

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Introduction:

This easy to install Bluetooth "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. The included remote control is used to adjust smartphone volume, pause, play tracks and more and easily mounted to steering wheel or dashboard. In addition, an **optional** USB "Fast charge" kit is available 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 the functionality of existing AM/FM/radio), and requires/retains use of the 6-disc changer.



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

Installing Audio module: (Connects to CD changer plug in trunk/hatch)

1. Remove carpet trim piece surrounding audio rack (See **Fig. 1**). If rack does not have Navigation, you may use that space to access the CD changer connecting plug, however if vehicle has Navigation, accessing the plug usually requires lowering rack by removing (4) 8mm nuts which then allows the rack to lean forward revealing wiring.



Fig. 1

2. Locate short thick black pigtail cable on CD Auto changer. This cable leads to amplifier (premium systems) or to radio (standard systems). (See **Fig. 2**)



Fig. 2

3. Remove cable from holding tab (See **Fig. 2**), and disconnect from amplifier/radio by pulling apart (**do not twist**)
4. Once separated, female connector (right) leads to changer and male plug (left) leads to amplifier or radio (See **Fig. 3**)



Fig. 3

5. Align arrow marks on both factory male plug and audio module and push straightforward (avoid twisting) See (See Fig. 4)



Fig. 4

6. Connect module male plug (See Fig. 4) to CD changer short pigtail.

Noteworthy:

There multiple Ai-Net cables behind audio rack and more so in vehicles with premium sound (e.g. Amplifier, Navigation etc.). In premium systems, the audio module connects between CD changer and amplifier and in standard systems the audio module connects between CD changer and radio. To minimize connecting errors, locate single thick black cable emerging from the CD auto changer--- this is the cable with which you will be working. Connecting audio module to something other than the CD auto changer plug will result in poor sound, no power to radio etc.

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

Routing Audio cable (sedan)

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



Fig. 4



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.

Installing Bluetooth Module

In our 2001 XJR Premium Audio test vehicle, Bluetooth module was installed in armrest (See **Fig. 10**). In this area you will also find factory phone plug (See **Fig. 11**) and cigar lighter, either of which can be used to power module (see **Fig. 10**).



Fig. 10

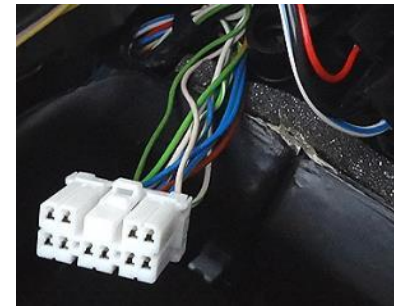


Fig. 11

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

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 11n (black)
18-pin male (yellow)	Pin 5 (Green)	Pin 11 (black)



2. If vehicle does not have a phone plug, use cigar lighter power lines under console:
Tap module's **Red wire** to White/Blue= 12V ACC



Fig. 12

Note: Cigar lighter power may introduce noise into the system. This is not the result of a faulty module but vehicles electrical system. Find a clean power/ground supply (we recommend factory phone plug). If engine noise is still an issue, consider adding a [noise filter](#).

3. Connect audio module 6-pin DIN plug routed from trunk (See Fig. 4) to Bluetooth module female connector as seen in 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)

Retain Changer playback:

Default option that allows users to retain use of their 6-disc CD auto changer. **Proceed to installation step 3 below.**

AUX input (instead of changer playback):

Provides an aux input jack for users to connect and play portable audio devices (e.g. sat radio, Alexa, iPod, Mp3 etc.) instead of 6-disc CD auto changer)

WARNING: 6-disc 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 below.**



Fig. 14

Audio cable



Fig. 15

Module

3. Connect push button 1/8" plug to Module "CTR" jack (See Fig. 15), route button to front of the dash, remove tape backing and stick to dash (cable is 6ft. long). (See Fig. 16)



Fig. 16
push-to-talk button

5. Remove tape backing from microphone mounting bracket and attach to headliner, sun visor etc.; route cable down pillar, under dashboard toward module location and connect to module "MIC" input. (See Fig. 15)

Wind noise (Convertibles) will negatively affect phone calls. Users are advised to install microphone away from wind/ventilation ducts etc.



Microphone



Optional Push button with built-in Microphone

For added installation flexibility, we offer optional push button with built-in microphone. (See Fig. 16a). Adding this option to your kit eliminates separate push button (See Fig. 16) and visor microphone.

To install connect microphone 1/8" plug to Module **CTR/MIC** input jack and route button to front of the dash, clean area with alcohol, remove tape backing and attach to dash (cable is 6ft. long) See Fig. 16A



Fig. 16a

Optional USB "Fast Charge" Kit (not for thumb drives etc.)



Fig. 17

An optional USB charging kit can be added to any vehicle. This kit supports BC1.2, QC2.0, QC3.0, PE1.1, PE2.0, FCP, SFCP fast charge protocols (Apple, Samsung, Huawei etc.)

Please Note: iPhone "Fast charge" kicks in when battery capacity is between 0-79%, but returns to regular charge mode when it reaches 80%.

Should you decide on this add-on, we suggest one of 2 connecting options:

- A. Flush to dash/panel requires drilling a $\frac{3}{4}$ " hole
- B. Flush with Support bracket (Mount USB terminal wherever your installation demands without drilling)

A. Flush to Dash or Panel (drilling required)

Note: Alternately, user may modify cigar lighter opening

1. Drill a $\frac{3}{4}$ " hole in the dash or panel using a step drill bit or equivalent (See Fig. 18)



Fig. 18
Step drill bit

2. Insert male terminal from supplied 3ft. cable (See Fig. 19) through hole created in step 1 and connect to installation harness charging port (See Fig. 20)



Fig. 19
Flush mount 3 ft. USB cable



Fig. 20
USB port

3. Snap USB cable head (See Fig. 21) to hole created in step until flush with mounting surface (See Fig. 22)



Fig. 21
USB head



Fig. 22

Flush mounted to dash

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

B. Bracket Mount (No drilling)

1. Locate a flat surface at location of choice within 3.2 ft. of module to mount USB support bracket (See Fig. 23) using adhesive/tape or screws (included).



Fig. 23

USB mounting bracket

2. Insert USB cable male terminal through hole in bracket (See Fig. 23) and connect to installation charging port (See Fig. 20)



Fig. 24

3. Snap USB cable head (See Fig. 24) to bracket until flush (See Fig. 25)



Fig. 25

4. Connect/Tap red or yellow wire to 12V Battery (Always on) or 12V Accessory (key on) supply in vehicle and black wire to ground.
5. Tuck and secure any extra wire away from moving parts and test operation (See Bluetooth Pairing and Connection)

Feature Comparison:

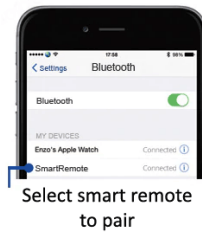
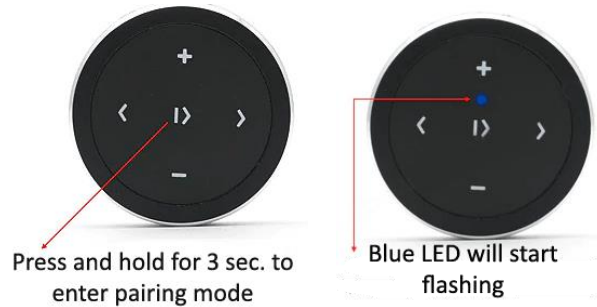
Feature	JAG-HF	JAGCD-HF	BT45-JAG	A2DIY-JAG98
CD changer retention	X	✓	X	✓
Audio input (aux)	✓	✓*	X	Optional
Charging (USB)	✓	✓	X	Optional
Built-in mute feature	X	X	✓	X
Separate microphone	X**	X**	✓	✓
Requires CD changer	✓	✓	✓	✓
Voice Activation	✓	✓	✓	X
Requires factory phone plug	X	X	✓	X
Plug-n-play installation	X	X	✓	X
Wireless remote control	X	X	X	✓

*Aux input instead of CD changer

** with optional [G2-HF](#) kit

Smart remote

pairing smart remote: Pair to Smartphone for media control functions (does not operate Jaguar radio). The remote pairs with multiple devices but can only operate one at a time. Follow 3-step pairing process below:



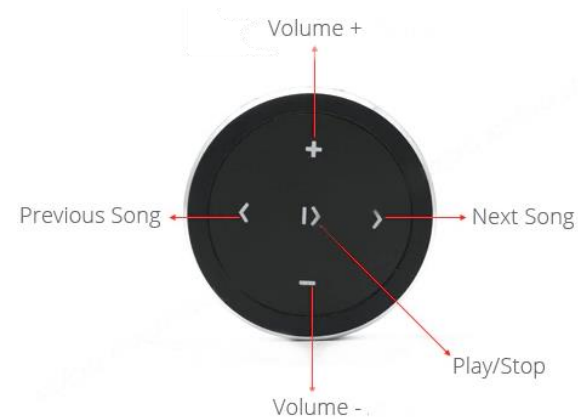
Installing smart remote:

Install smart remote to dashboard or panel with provided steering wheel holder or double side tape.

Ships with CR2032 battery pre-installed.

Operation:

Once smart remote has been paired to smartphone, users may perform the following functions on devices with iOS7.0 and higher and Android 4.4 and higher.



In addition to above:

To answer/end call press **Play/Stop (Android only)** or press push button **(Apple and/or Android)**

To switch from streaming to AUX/Changer press, **Play/Stop (Android only)** or press push button **(Apple and/or Android)**

Noteworthy: Push button must be used to answer/end calls on Apple devices; however, both the push button and smart remote Play/Stop can be used for this purpose on Android devices. If your application is exclusive to Android; push button installation is optional.

Bluetooth Pairing:

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 ⓘ

Test Operation

1. Turn ignition to accessory position and radio ON.
2. Press "CD" button.



Fig. 26

3. Launch audio device streaming application.
4. Set audio device initial volume to 80%, then raise radio volume control button to set playback level. If distorted, lower audio device volume.
5. Use smart remote to change tracks, adjust device volume, pause etc.
6. Place phone call or ask someone to call. Use push button to accept/end call (iPhone and Android) or press **pause/play** on smart remote (Android only)
Note: The push button can be used to accept/end calls on both Apple and Android devices, however smart remote **pause/play** only works to accept/end calls and switch between optional AUX/CD changer and Bluetooth on Android devices
7. To switch between CD or AUX playback, press smart remote **pause/play** or push button
8. If correct operation is confirmed go ahead and reinstall radio.



Playlist and Track selection is ***NOT*** possible from Jaguar radio buttons. Use audio device built-in controls or wireless remote to access and control audio files and applications.

Frequent asked questions

- What is the difference between the A2DIY-JAG98 and A2DIY-JAG98R?**
The A2DIY-JAG98R connects to the radio and applicable to both 1997-99 XK and XJ and 2000-06 XK and 2000-03 XJ Standard audio system. 2000+ vehicles with Premium Audio system (amplifier in trunk—**See Fig. 27**) require our A2DIY-JAG98. To be clear, any 1997-06 XK and 2000-03 XJ with premium audio (amplifier in trunk) requires the A2DIY-JAG98. I



Fig. 27

- 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 audio and Navigation apps; 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 audio streaming are muted until the call has 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 device plugged into cigar port.
Relocate accessory wire,
Install a suitable [noise filter](#).
- Which devices can be charged on the USB charging port?**
Optional "Fast charge" USB port 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 the 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?**
In order to listen to CD's or AUX, press push-to-talk button or play/pause button on remote control.
- Can I install the A2DIY-JAG98 module at the radio?**
NO; the A2DIY-JAG98 module connects to CD Changer plug in trunk or hatch.
- What is the vehicle application and where does the module connect?**
The A2DIY-JAG98 is specific to the following Jaguar vehicles:
1997*-03 (x308) (To CD changer plug in trunk)
1997*-06 (x100) (To CD changer plug in hatch)
- 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 trying to pair with another device (last connected device). Should this happen, check that no other device has been paired, turn ignition off and back on or disable/enable Bluetooth on audio device.
- It is possible to change Bluetooth name to my own?**
This may be possible on some devices but not so on recent iPhones:
Make sure module is powered on and connected.
Go to Phone settings and tap Bluetooth.
Tap ⓘ Next to LANNI, then tap Name
Enter a new name (e.g. Jaguar-BT etc.) tap Done on keyboard, then tap <
The custom name given now appears in Bluetooth settings of your device.

12. Playback is distorted, how do I fix this?

if playback is distorted its likely because volume setting on audio device is too high. To fix, turn radio volume up to comfortable level, then lower volume on device until it no longer distorts.

13. What's the major difference between optional push button with built-in microphone and visor mount microphone and separate push button?

The only major difference is convenience. With the single button there is no need to route microphone cable to visor etc. Push button with built-in microphone must be installed away from ventilation ducts etc. and attaches to the dash with double sided 3M tape or may be custom installed as seen below:



*1997 VIN#812317 and above

Disclaimer

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

For help email support@discountcarstereo.com

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