



BT6-JAG98

QUICK START BLUETOOTH & SMART MEDIA INSTALL GUIDE FOR SELECT 1997*-06 XK (X100) AND 1998-03 XJ (X308)

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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

Requirements:

Late 1997-06 X100 and 1998-03 X308 (Standard or Premium I.C.E.)

Introduction

They are thousands of older Jaguar vehicles on the road today with the original radio in place that unfortunately does not support any modern media formats many would love to have in their cars. Upgrading these radios to support Bluetooth is a great way to bridge the gap. The BT6-JAG98 smart media module not only supports Bluetooth hands-free and music streaming, but also play MP3, WMA, FLAC, ACC, WAV, AIF, IFC files stored on a USB flash drive and best of all, users are able to control these files directly from the familiar radio/steering wheel buttons. In addition, an AUX input jack is included to which users are able to connect portable music players designed to be used with headphones (e.g. MP3, iPod etc.) Installation is simple and only requires connecting the module to the "CD" plug in luggage compartment, pairing Bluetooth device and be on your way to enjoying music, navigation, audio books and other important applications on the car system! Because this module uses the "CD" port, the factory CD changer (if present) must be disconnected. To retain CD changer, purchase our [BTH-JAG98](#) instead.

Warning!! Vehicle must have a "CD" plug in luggage compartment. This module does not connect to the back of the radio.

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

Installation – to CD plug in luggage compartment.

Warning: Vehicles must have a male CD plug (See Fig. 4) in luggage compartment. CD changer (if present) must be disconnected.

1. Remove carpet trim piece surrounding audio rack (See Fig. 1). If vehicle does not have navigation (Fig. 1); use that opening to reach behind and access the CD changer connecting plug and if present; disconnect from CD changer. If vehicle has navigation, accessing the plug requires unlocking "inner frame":
2. To remove frame:
Remove (2) 7mm bolts on right and left side (See Fig. 2, 3)
Remove (2) 7mm bolts from top (See Fig. 2, 3)



Fig. 1



Fig. 2

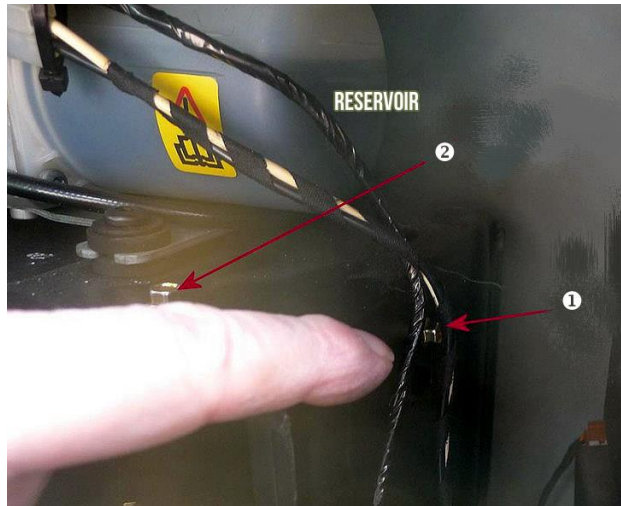


Fig. 3

3. Pull out the inner frame.
4. **If vehicle has a CD changer;** the CD connecting plug is located on the rear left of the CD changer. Disconnect CD changer from vehicles plug as seen in See Fig. 4



Fig. 4

5. **If vehicle does not have a CD changer:** look for the "CD" male plug (See Fig. 4) behind rack or amplifier pigtail (Premium I.C.E) (See Fig. 5)



Fig. 5
amp male plug

6. Connect factory CD changer male plug (See Fig. 4-5) to installation harness female connector (See Fig. 6).
7. To connect, please align arrow markings on each and push straight back (See Fig. 7)
Note: Use extreme caution when making this connection and avoid twisting. If resistance is felt, ensure arrow markings are aligned.



Fig. 6

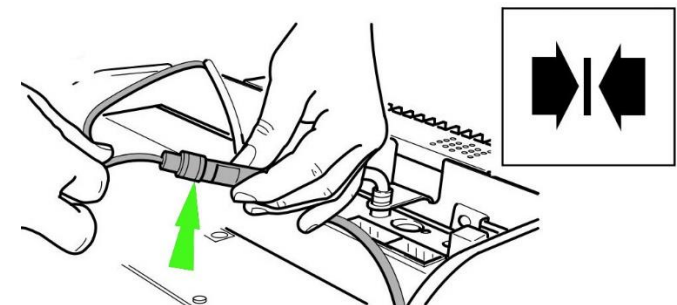


Fig. 7

8. Crimp accessory RED wire to included Add-a-Fuse Tap circuit (See Fig. 8)



Fig. 8

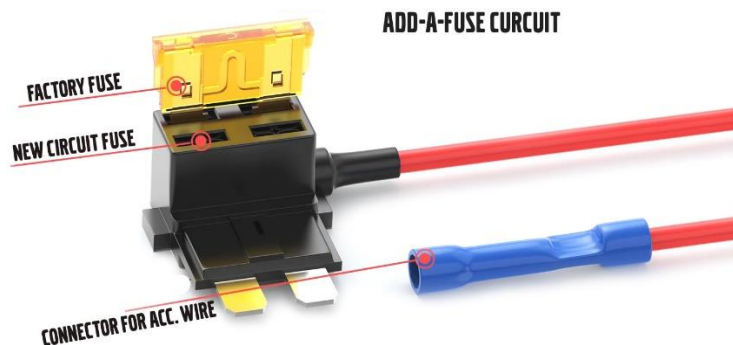
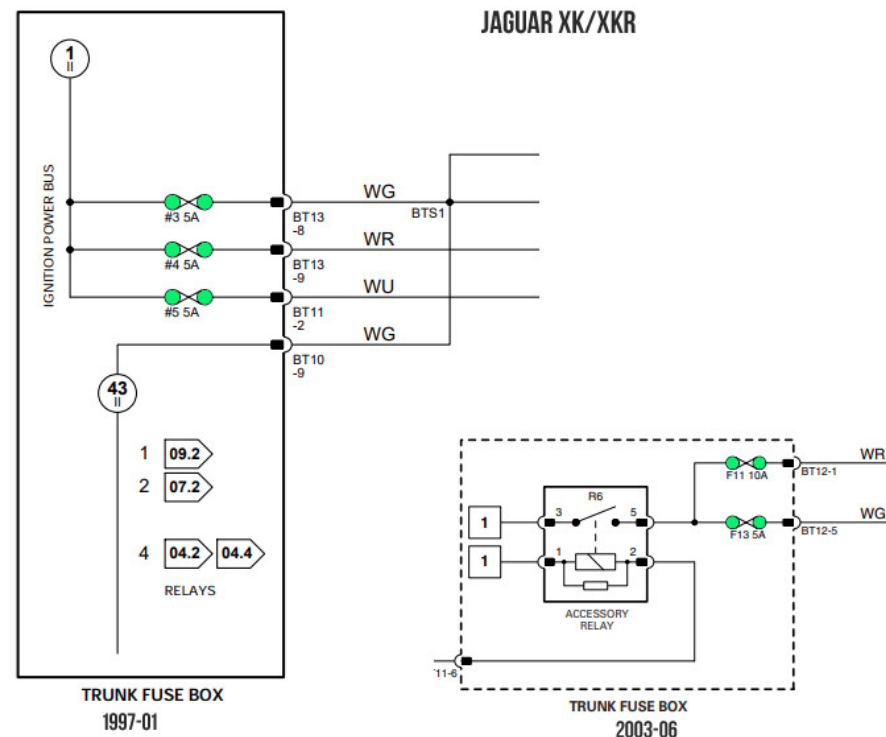


Fig. 9

9. Remove one of the following fuses: **F5 (XJ) or F3, F4, F5, F11, F13 (XK)** from fuse box and replace with the Add-a-fuse circuit.
10. Insert the factory fuse removed in step 9 to the "Factory fuse slot" on the add-a-fuse circuit (See Fig. 9)

Note: If the factory fuse slot was empty (no fuse); the slot on add-a-fuse circuit remains empty. (See Fig. 7)



Accessory supply available at: F3, F4, and F5 (pre-2002) and F11, F13 (post 2002)
XK/XKR F3, F5 (XJ)

Please start engine, turn on the radio, press CD button to test for noise prior to finalizing install.

Note: Fuse F5 (XJ) protects Jaguar cigar lighter sockets and prone to engine noise especially if used as a USB-type charging port.

11. Carefully route the 16-pin plug on the other end of the install harness to center console (armrest/center glovebox) area. These areas are where we recommend connecting the module (black box) seen in Fig. 15

Routing installation harness (Sedan)

1. Use pry tool to open gap between window pillar and rear deck as seen in **Fig. 11**
From luggage compartment; fish the 16-pin plug (See **Fig. 10**) into cabin through gap
(See **Fig. 11**) **Avoid pulling or tugging the 16-pin plug.**

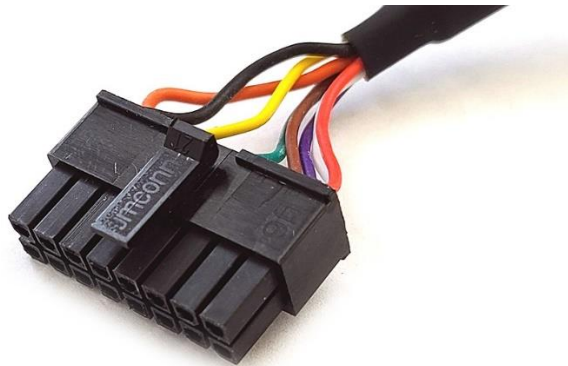


Fig. 10



Fig. 11

2. Pull excess cable and tuck (hide) under backrest, seat cushion as you work towards the center glove box (armrest) See **Fig. 12**



Fig. 12

3. Continue fishing installation harness under center glove box and into storage bin area.
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 installation harness 8-pin female fed through in step 3 and **gently pull excess cable.**

Note: The aforementioned steps apply to sedan (X308).
X100 (convertibles) may require additional steps not part of this guide.

Module installation

We recommend installing the module (See Fig. 14) in center armrest/glovebox (See Fig. 13) or **behind the dash/radio** (whenever possible).

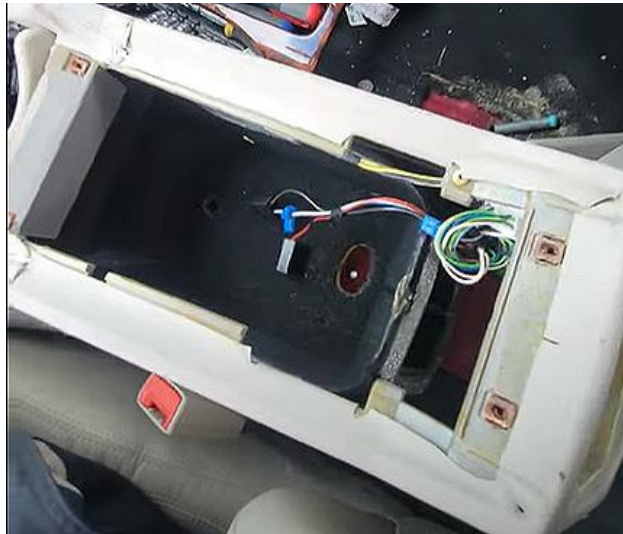


Fig. 13

1. Connect installation harness 16-pin plug (See Fig. 10) to module 16-pin connector (See Fig. 14) **Ensure connector is locked in place and plug does not disconnect.**



Fig. 14

2. Secure microphone to headliner or visor using included clip (See Fig. 15)
3. Route microphone cable (10 ft. long) down side pillar, under steering column and into radio cavity,
4. Connect microphone to module "MIC" input. (See Fig. 14)
Wind noise will negatively affect phone audio. Users are advised to install microphone away from wind/ventilation ducts etc.



Fig. 15

Optional USB extension cable installation

Please note: Because this module installs in trunk/hatch; we highly recommend optional USB dash mount extension cable (6 ft.) to extend the module built-in USB charging port (See **Fig. 18**) inside the cabin etc.

1. Drill a $\frac{3}{4}$ " hole to dash or panel using a step drill bit or equivalent (See **Fig. 16**)
As an alternate; use the included bracket (See **Fig. 21**) to mount USB without drilling.



Fig. 16

2. Fish USB cable terminal (See **Fig. 17**) through hole created in step 1 and plug into module USB port (See **Fig. 18**)



Fig. 17
USB cable



Fig. 18

3. Snap header (See **Fig. 19**) to surface until flush (See **Fig. 20**)



Fig. 19



Fig. 20



Fig. 21

4. Secure module and proceed to pairing

Pairing

Pairing varies among devices but basic steps are the same. This process is done upon initial install and will not have to be repeated

1. Turn ignition and radio "ON"
 2. From your Bluetooth enabled device, turn the Bluetooth ON and search for Bluetooth devices.
 3. When a list of available Bluetooth devices appears on your Bluetooth device, select "DisCarSt" (See Fig. 22)
 4. Confirmation "tone" is heard on car speakers.
 5. The unit will automatically enter the BT Audio source and you can now start streaming audio from your Bluetooth enabled device.
- Note: If the mobile phone doesn't support SSP (Simple Secure Pairing) Profile, please enter the pass code of "0000"

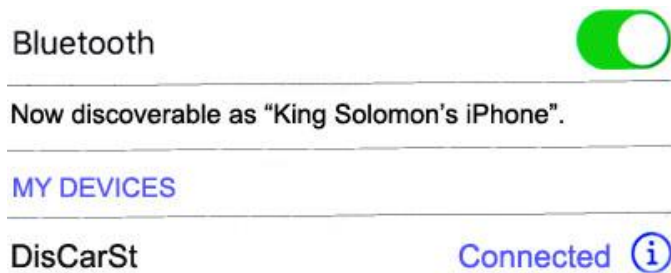


Fig. 22

Note: These steps are generally a one-time process as your Bluetooth device should connect automatically every time vehicle ignition is turned on.

Feature comparison

Bluetooth hands-free and streaming modules:

Feature	BTH-JAG98	BTH-JAG98R	BT6-JAG98	BT3-JAG98	BT3-JAG98R
CD changer retention	✓	✓	x	x	x
Requires CD changer	✓	✓	x	x	x
Audio input (AUX)*	Optional	Optional	✓	x	x
Charging (USB)	Built-in	Built-in	Built-in	Built-in	Built-in
USB Flash drive	x	x	✓	x	x
Visor microphone	✓	✓	✓	✓	✓
Requires 12V ACC wire	✓	✓	✓	✓	✓
Hands-free calls	✓	✓	✓	✓	✓
Audio streaming	✓	✓	✓	✓	✓
Radio button controls	X	X	✓	✓	✓
Wireless remote	✓	✓	x	x	x
Module install location	Armrest	Radio	Armrest	Armrest	Radio

*Aux input replaces CD playback

Bluetooth streaming modules (Not for hands-free calls)

Feature	BT2-JAG98	BT2-JAG98R	BTA-JAG98
CD changer retention	X	X	✓
Requires CD changer	X	X	✓
Audio input (AUX)*	X	X	Optional
Charging (USB)	X	X	Built-in
Visor microphone	X	X	X
Requires 12V ACC wire	✓	X	✓
Hands-free calls	X	X	X
Audio streaming	✓	✓	✓
Radio button controls	✓	✓	X
Wireless remote	X	X	✓
Module install location	Trunk/hatch	Radio	Trunk/hatch

*Aux input replaces CD playback

Bluetooth operation

1. Turn ignition and radio ON.
2. Press the radio "CD" button.
Radio display screen switches to "CD changer" mode (See Fig. 23)



Fig. 23

3. Launch audio device streaming application.
4. Set smart device volume to zero
5. Turn radio volume up 75% (3/4)
6. Increase smart device volume until audible distortion then decrease slightly until distortion free.
7. Launch music streaming application
8. **To skip tracks:** Tap the "SEEK UP" or "SEEK DOWN" buttons on radio or steering wheel (See Fig. 24)



Fig. 24

9. Place test phone call or ask someone to call.
Alert: Ensure radio is in "Bluetooth" mode otherwise press "CD" button
10. To accept, tap "SEEK DOWN" on radio or steering wheel (See Fig. 25)
11. To reject, tap "SEEK UP" on radio or steering wheel (See Fig. 25)



Fig. 25

12. Adjust call volume with radio VOL knob or steering wheel control.

Flash media functions

1. Formatting

Before loading files/folders we recommend formatting flash drive etc. to **FAT16** or **FAT32** after which you may then save music files (MP3, WMA, FLAC, AAC etc.) to designated folders as explained next.

2. Folder naming: (This is important)

When flash drive is connected for the first time; the module loads all available folders.

You may create a single folder or multiple folders (Albums).

The easiest way to transfer files from computer to USB after formatting drive is by locating music files on your hard drive and drag-and-drop them to desired folder on flash drive.

Other important notes/cautions:

- Supports MP3 and WMA compression up to 320Kbps
- MP3/WMA files over 320Kbps may not be recognized or played.
- Not compatible with some new generation high-speed USB sticks.
- Recommended disk size: **16GB**
- Any number of songs and folders are supported
- Subfolders are not supported
- Streaming does not support last memory position
- Saving files (over **50MB**) in any folder may cause intermittent operation
- Playback order based on how files were created
- When last track in any given folder has finished, the first track in same folder will start playing automatically.
- If track up or track down button is pressed quickly in repetition, track number displayed may change unevenly
- If radio enters "CD" mode but nothing plays, please check/change USB stick and cycle ignition

Media operation

1. Turn ignition and radio "ON"
2. Press the "CD" button to enter "Bluetooth" mode
3. Connect flash drive (not included) to USB port (See Fig. 26)



Fig. 26

4. Playback will begin from Folder 1 track 1 or continue from last memory position
5. **To Track Up/Down:** Tap the right SEEK button for next selection in folder. Press the left SEEK button for the previous selection in folder See Fig. 27



Fig. 27

8. **Album (Folder) Selection**
Press preset button (1-6) for direct folder selection. See Fig. 28).
Supports up to 6 folders (Albums) with unlimited number or tracks (songs)

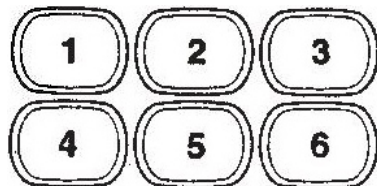


Fig. 28

AUX playback

The Auxiliary Input Jack provides a way to connect any portable music player designed to be used with headphones to the module. This allows the audio from a portable music player to be played through the vehicle speakers with high fidelity.

Attach one end of the included audio extension cable to the headphone output of your player and the other end of the audio extension cable to the AUX in port on the module (See Fig. 29) To listen to AUX device; disconnect memory card from module USB port and pause streaming application or un-pair streaming device

Warning: AUX playback no possible if USB memory port is occupied.



Fig. 29

Frequent ask questions & troubleshooting

1. **Can I pair more than one device to the BT6-JAG98?**

YES; pairing multiple devices is possible, however only one device is able to connect at a time. Disconnect first device to allow pairing to another device.

2. **How good is sound quality playback from this module?**

Without starting a debate about wired vs. wireless; we will answer based our own experience: The BT6-JAG98 sounded great in our 2002 XJR with Alpine Premium system.

3. **Can I install the BT6-JAG98 module behind the radio?**

YES; it is possible to install the BT6-JAG98 module in armrest(recommended) or behind the dash /radio.

4. **Please explain vehicle application and where does module connect?**

The BT6-JAG98 is specific to the following Jaguar vehicles:

1998-03 (x308) (Connects to CD changer plug in luggage compartment)

Late 1997*-06 (x100) (Connects at CD changer plug in luggage compartment)

Warning: CD changer (if present) must be disconnected. To retain use of the CD changer, purchase our [BTA-JAG98](#), [BTH-JAG98](#) or [BTH-JAG98R](#)

5. **Will I be able to make/receive phone calls using this module?**

YES. The BT6-JAG98 supports music streaming and **hands-free calls.**

6. **When streaming, will I be alerted of incoming calls?**

YES. If radio is in "CD" mode, phone call will ring on car speakers. To go hands-free, tap the "SEEK" down button to answer call. Tap the "SEEK" button to end call at which point streaming resumes.

7. **When listening to digital music (Flash drive etc.), AM/FM radio or CD; will incoming call ring on car speakers?**

NO. In these modes, the handset will ring/beep. Take call as normal or follow question 7. Please note incoming call announcement is only possible in streaming mode.

8. **When streaming, listening to a USB file or AUX; will I be alerted of incoming calls?**

YES. Phone will ring/call number announced on car speakers*. Answer call by pressing the SEEK DOWN button on radio. Audio playback resumes upon ending call.

9. **How do I listen to AUX device.**

Ensure Flash drive port is empty and streaming is paused.

Attach one end of the audio extension cable to the headphone output of your player and the other end of the audio extension cable to the module AUX input jack.

Turn the radio on, Adjust the volume to a comfortable listening level and turn the portable music player on and adjust the volume to 1/2 the volume.

Press "CD" on the vehicle radio, at this point you should hear audio the portable music player.

Adjust the sound on your portable music player until it reaches the level of the FM station or CD by switching back and forth between the AUX and FM or CD controls. The portable music player must be controlled in the same manner when it is used with headphones as the BT6-JAG98 does not provide control (play, pause, etc.) over the attached portable music player.

10. **I hear clicking sounds as I use my device, how can I stop this?**

Go to device settings and disable touch sounds.

11. **My module does not always pair when entering vehicle. How to I remedy this?**

disable/enable Bluetooth on smart device.

12. **Playback is distorted; how do I fix this?**

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

13. **Will Jaguar radio display song tittle, name or playlist?**

NO. Song/track information not displayed on Jaguar radio screen. This information will be available on audio device display or touch screen.

14. **Audio plays on one side of the car; "CD" button is not responding or radio does not power "ON". What could be causing these issues?**

-- Check that factory "CD" plug (See **Fig. 4**) is snug to our connector (Page 3/4).

- - Disconnect and inspect pins in our female connector (See **Fig. 6**). These pins may need "adjusting" because the factory male plug over (time/temperature changes); may become rigid, and no longer "flex" or may have developed a "memory position" especially if never disconnected/separated from the factory female connector.

To remedy the no power or "CD" button not responding issue:

Get a ¼" or 25mm flat head screwdriver (or the largest you can fit into the connector) and flex (bend) the "horse shoe-shaped" pin holder tab upward or as seen in **Fig. 25**. Reconnect and if issue remain, repeat this step.

To remedy the no sound on one or all sides issue:

Get a ¼" or 25mm flat head screwdriver (or the largest you can fit into the connector) and place above the flat pin holder tab and flex (bend) downwards. Flexing the pin holder tabs (up/down) allows for the pins to move closer and make a "firmer" contact with the factory plug (which may have become rigid and no longer flex)

This is a one-time adjustment that will not have to be repeated.



Fig. 30

15. **Bluetooth ID name is not showing up on my device. What to check?**

One reason for module ID to not display on smart device is because module has no power. Ensure power is reaching module by testing for 12V on switched power beyond crimp made on the Add-a-fuse" circuit butt connector (blue). If crimp is compromised, power will not reach module. To fix simply cut off the blue butt connector and splice red wires after which the module should power up and available for pairing.

16. **I'm experiencing annoying engine noise (alternator whine that increases with engine speed) Is there a fix for this?**

If experiencing alternator whine (engine on); we recommend installing our in-line BT63-NF (See Fig. 31) noise filter. This plug-n-play noise filter fits between the radio harness and module. [Click here](#) to purchase.



Fig. 31

*Late 1997 XK8 with Ai-NET plug only (not for early 1997 XK8 with 8-pin DIN plug)

Disclaimer

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

For additional support email support@discountcarstereo.com

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