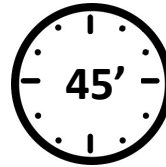
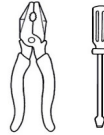


CODE: CF0052USDB11



uDAB


JL AUDIO
MM50
 KIT052USDB11/JL


DESCRIPTION

uDAB is the new Paser product that allows, in a few simple operations, the best integration of the DAB/DAB + digital radio on your vehicle.

It's enough to install the harness, supplied with the KIT, in series to the radio. This means that no changes to the original wiring are required, thus to avoid cable and / or incorrect connection risks.

The module connects to the radio via the **USB COM** wiring, supplied in the KIT. Thanks to this connection, **uDAB** is compatible with all the radios with USB input on the market.

The **USB REC** harness, supplied with the KIT, will allow the native USB radio function to be maintained. By inserting a USB stick user can listen to his music as before.

All **uDAB** features are handled directly by the radio and/or steering wheel controls. DAB/DAB + radio stations will be displayed as mp3 files with TAG names of the radio station tuned.

There will also be available folders named as the various MUXs present in the coverage area. A SCAN folder will be present to manage at best the tuning of available radio stations in the area.

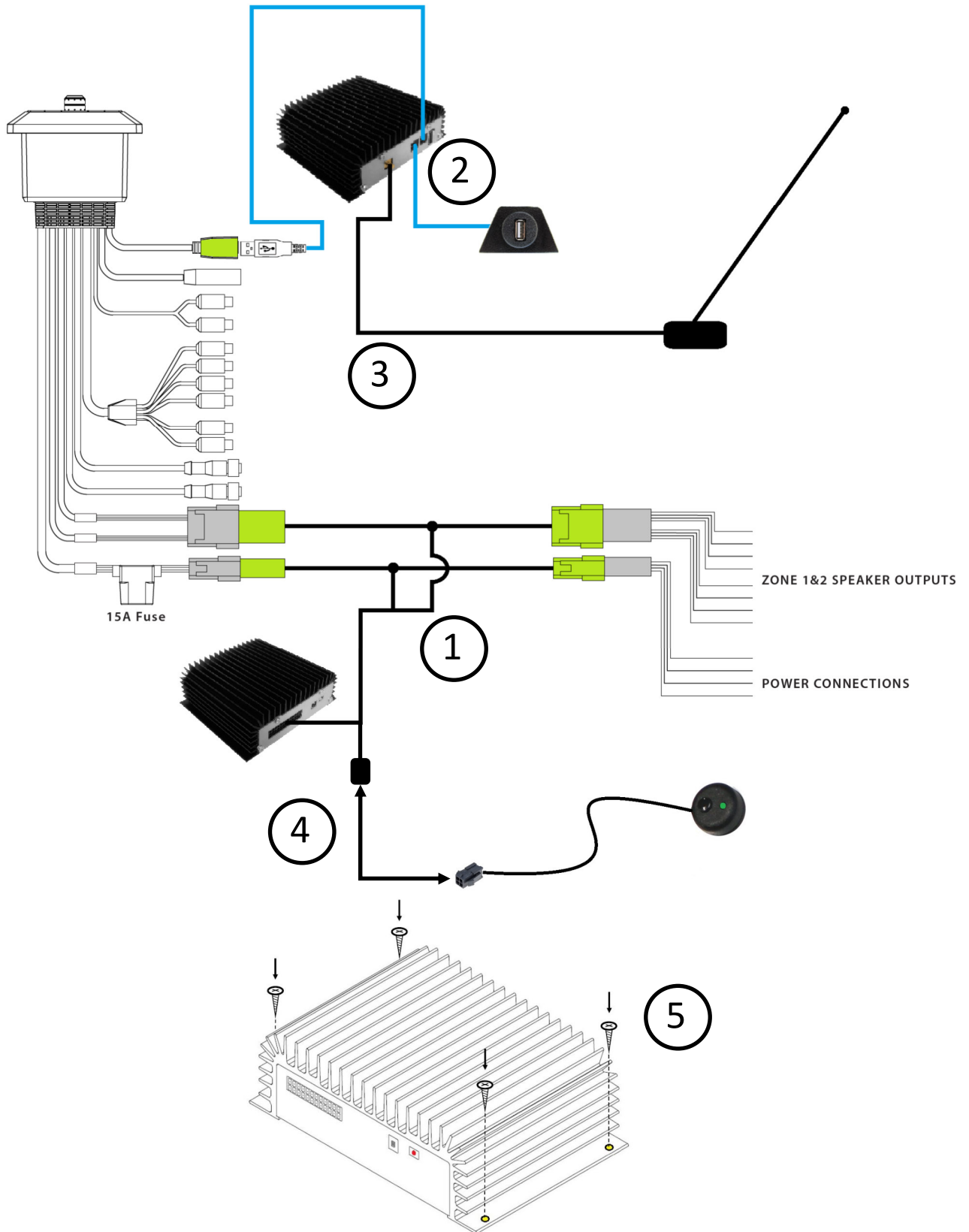
Thanks to **CRICKET TECHNOLOGY**® developed by Paser (**Patent Pending**), channel skips do not have significant audio buffer delays, the user will have the pleasant feeling of listening to the radio as always, but with DAB/DAB + audio quality.

Same technology allows to control the volume directly from the head unit.

uDAB incorporates a powerful amplifier that provides 40 W per channel in AB class. AUDIO quality, simplicity of installation and use to ensure maximum and high-class satisfaction.

uDAB	INSTALLATION STEPS
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1. Connect the power/speakers T harness of the KIT in series to the radio one.
2. Connect the USBCOM and USBREC to the plugs on UDAB module.
3. Connect the SMB plug of the DAB antenna to the related plug on the module.
4. Install the button in a convenient location as example near the original USB of the vehicle. Connect the PLUG of the button to corresponding connector of the T harness. No hole is required as the button is provided with adhesive for fixing.
5. Ensure the module box with the screws included.

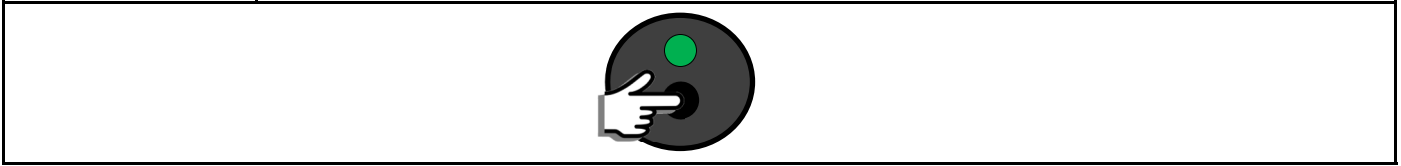


uDAB		FUNCTIONS MANAGEMENT	
BUTTON	FUNCTION	BUTTON	FUNCTION
	LED ON UDAB IN FUNCTION.		LED ON, LONG PRESSURE BUTTON: START SCAN.
	LED ON, SHORT PRESSURE BUTTON. LED GOES OFF: USB FUNCTION FOR LISTENING USB PEN.		LED OFF, LONG PRESSURE BUTTON: SYSTEM FOLDER RESTORED.
	LED OFF, SHORT PRESSURE BUTTON. LED GOES ON: BACK TO UDAB.		

1 Once the installation is complete, switch on the radio. uDAB operations are managed directly from the radio. Now select the USB function, first radio available will be shown on the display related to the radios list.





2 Now it's needed to run a SCAN for the correct creation of the MUXs and stations list present in the signal coverage area.
SCAN OPERATION CAN BE MANAGED BY PRESSING BUTTON LONG WHEN LED IS ON.
Scan operation will start within 10 seconds signalled by an acoustic trill.
It takes about 1 minute.



3 Once finished the SCAN it will be available list of available stations. By selecting the station of interest will proceed with listening.
After some minutes display will change and will write track in reproduction.



uDAB	FUNCTIONS MANAGEMENT
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 	<p>From the folders menu in SYSTEM folder, Some setting options are available. Once selected the option please wait 10 seconds before it start.</p>
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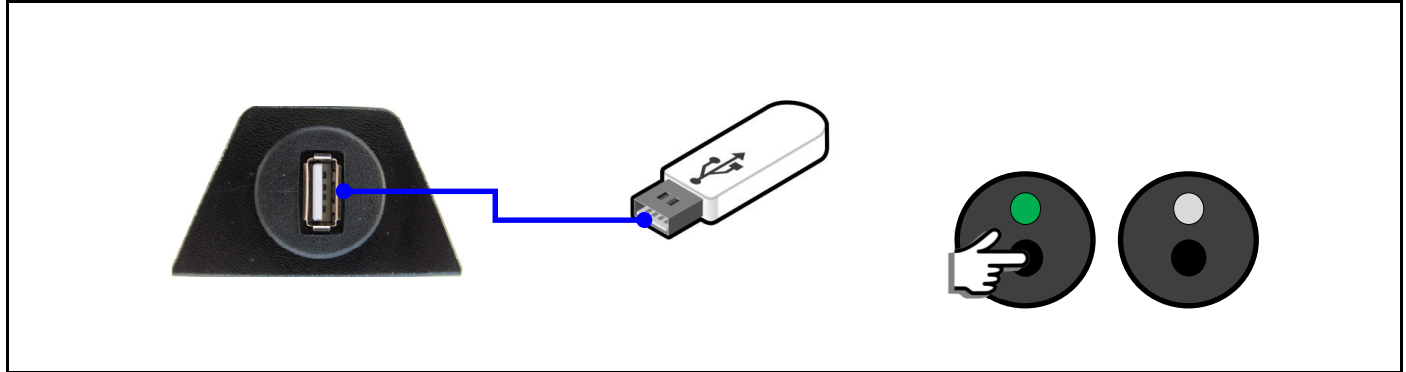
OPTION
00 A UDAB FW V XX: shows firmware version.
01 A SCAN00X: a SCAN stations start.
02 ADD FAV: create the FAVORITE folder and add the station playing to the favorites.
03 CLR FAV: delete the FAVORITE folder.
04 A EXTERN USB: external USB pen management.
05 AUD SW SLOW: slow Audio switch management.
06 AUD SW MID: mid Audio switch management.
07 AUD SW FAST: quick Audio switch management.
08 AUD SW SLWR: slow Audio switch management.
09 VOL PREF 0: audio management low.
10 VOL PREF 1: audio management high.
11 ALL FLD Y: create a folder with all the radio station listed
12 ALL FLD N: do not create a folder with all the radio stations listed
13 FILE 4MB: if the radio doesn't manage files bigger than 4MB
14 FILE 64MB: if the radio doesn't manage files bigger than 64MB
15 FILE 128MB: if the radio doesn't manage files bigger than 128MB
16 FILE 256MB: if the radio doesn't manage files bigger than 256MB
17 REACT LOW: volume adjustment reaction slow
18 REACT MID: volume adjustment reaction mid
19 REACT HIGH: volume adjustment reaction high








<p>WARNING!</p> <p>By using the button the SYSTEM folder will display only the software version and the voices ADD FAV and CRL FAV, this is because the operations of SCAN and USB stick selection are managed by the button.</p>
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uDAB	INFORMATION
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	Each radio model has its USB function management, refer to your radio to perform the operations described. In any case, the folders will be displayed and thus the radio stations.
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	<p>USB Pen listening is perfectly maintained, simply insert a key into the external slot for playback reproduction and select into the SYSTEM folder the voice EXTERNAL USB.</p> <p>To come back to DAB radio switch OFF the radio and switch ON.</p> <p>IF THE BUTTON IS INSTALLED TO LISTEN THE KEY IS SUFFICIENT TO PRESS 1 TIME BRIEFLY THE BUTTON.</p>
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	LED status
	Module powered
	Fixed Module in DAB reproduction, signal Low
	Slow blinks Module in DAB reproduction, signal Mid
	Quick blinks Module in DAB reproduction, signal Good
	Module in USB bypass
	SCAN

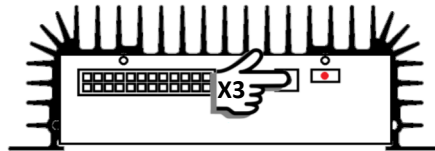
	CRICKET TECHNOLOGY®
	<p>CRICKET TECHNOLOGY® is a solution designed by Paser to remedy the problem of buffering AUDIO on which USB playback is based.</p> <p>With this technology (patent pending) there is no audio reproduction delay during station changes for in favour of a good listening and a fluid use of the DAB radio.</p>

uDAB	TROUBLESHOOTING
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	<p>uDAB manages its operation following the USB protocol. Some radios respond to the protocol with similar but not equal parameters.</p> <p>Therefore it is necessary to be able to change certain settings in case you encounter some malfunctions.</p>
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TROUBLE	
uDAB doesn't communicate with the radio	
Solution	
<ol style="list-style-type: none"> 1. Verify that the module is properly powered. 2. Verify that USBCOM and USBREC adapters are connected to the correct module connectors. 3. Verify that you have selected the USB source. 	

TROUBLE	
uDAB does not communicate with the radio and the steps described above are correct.	
Solution	
<p>It is possible that the radio is not able to handle large files, so it is necessary to change the size of the virtual file that uDAB creates.</p> <p>To perform this configuration, press the button on the uDAB module 3 times.</p> <p>At this point the module connects to the radio creating the SYSTEM folder.</p> <p>Open the SYSTEM folder and set a different FILE than the default one [256].</p>	



TROUBLE	
uDAB connects correctly to the radio but no radio stations are received.	
Solution	
<ol style="list-style-type: none"> 1. Verify that the antenna is properly connected to the SMB connector on the module. 2. Verify that the antenna is working. 3. Perform a SCAN if possible in an open space. 4. Make sure the area is covered by DAB + signal. 	

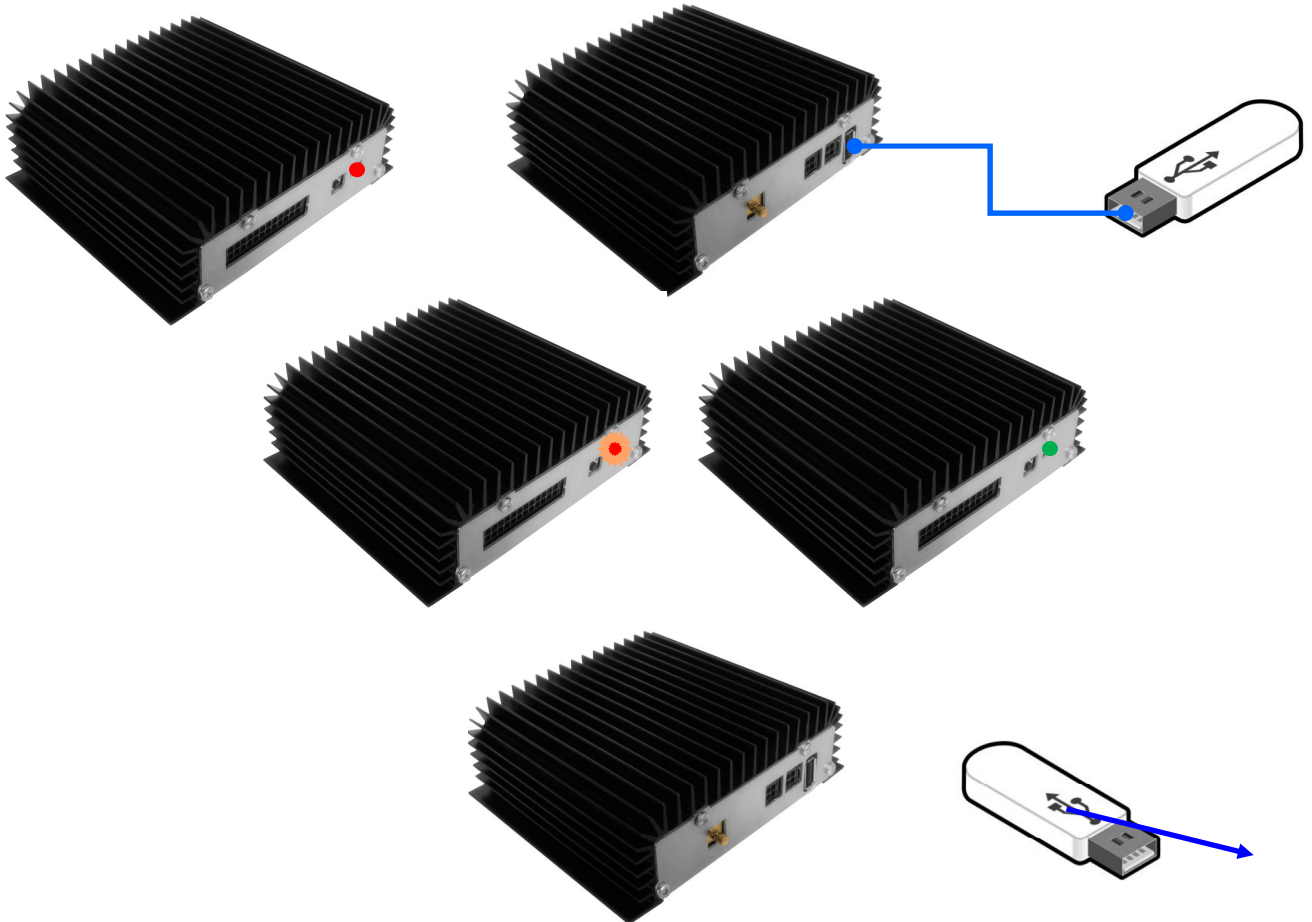
TROUBLE	
uDAB is working but the volume adjustment is not very reactive using the radio knob.	
Solution	
<p>There are 3 levels of reactivity to the volume adjustment.</p> <p>Enter the SYSTEM folder and select one of the levels according to the desired reactivity.</p>	

uDAB**UPDATE**

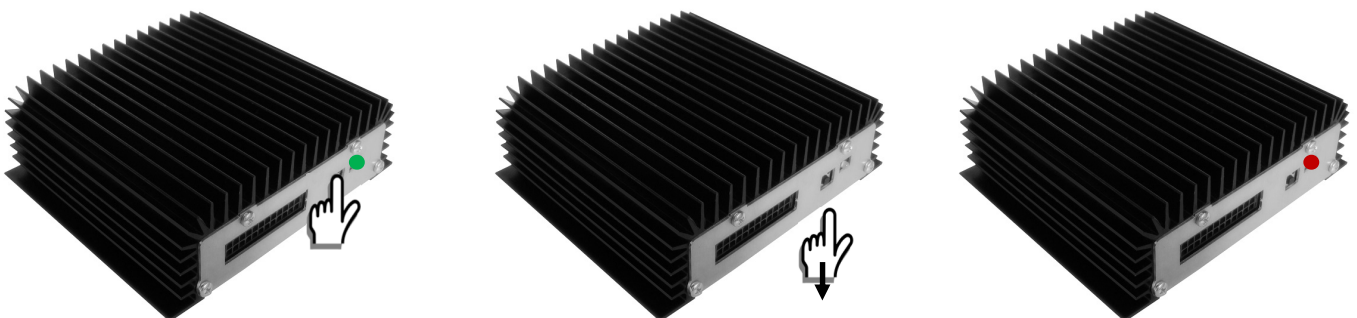
UDAB update is elementary. No special software is required.
It is sufficient to download the update file, then transfer it to a USB stick.

Now with UDAB powered (red or green LED) insert the USB stick on the USB port of the module.

LED will start to flash orange for a few seconds, once the upgrade finished LED switch ON Green, UDAB will be in operating state. Remove the USB stick.

**uDAB****RESET**

To perform a total reset of the module with consequent reset of the channel lists and settings, with the LED of the module on, simply press the button on uDAB and wait for the LED goes off, releasing the button on the module the KIT will restart.



uDAB	TECHNICAL CHARACTERISTICS
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General Information

Size	1	20x105x39 mm
Weight		< 340 gr (without cables)

Technical Information

Power Input	12 Volt
Max Power Input	16 Volt
Min Power Input	9 Volt
Power Consumption	190 mA
Standby Power Consumption	<5 mA
Working Temperature Range	-20 +70 C

WARRANTY

THIS PRODUCT IS COVERED BY TWO-YEAR GUARANTEE FOR ANY MANUFACTURING TROUBLES. THE WARRANTY IS VALID IF ACCOMPANIED BY THE INVOICE OF PURCHASE

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