



# adaptiv*lite*.



## Adaptiv Fitting & User Guide

**ADVL-BM2**

**BMW**

**1 Series E81, E82, E87, E88**

**3 Series E90, E91, E92, E93**

**5 Series E60 | X5 E70**

**with CCC iDrive 6.5" or 8.8" Display**

**Contents**

About	3
Connection Diagram	4-5
Quick Start Guide	6-7
System	8-9
Sound Settings	10
DAB	11-12
Video - HDMI	13
Video - DVBT	14-15
Video - AV In	16
Media - USB/SD	17-21
Media - iPod	22-23
File Transfer	24-25
Info/Update	25
Technical Specifications	26

## Adaptiv

Adaptiv Lite is a new brand from Connects2, which allows extensive multimedia upgrades to the OEM screen.

The plug and play, all in one interface adds, USB/SD, AV In and an input for an aftermarket reverse camera. Optional modules allow the ability to add DAB Digital Radio (ADV-DAB), DVBT TV (ADV-DVBT), HDMI (ADV-HDMI) and Bluetooth (ADV-BT). There is also an input which allows an aftermarket reverse camera to be connected.

All features are controlled via the OEM rotary commander.

## Application

### BMW

1 Series E81 2007-2011, E82 2007-2013, E87 2004-2011, E88 2007-2014

3 Series E90, E91, E92, E93 2005-2012

5 Series E60 2004-2010

X5 E70 2006-2013

Vehicles with CCC iDrive 6.5" and 8.8" screens.

## Kit Includes

Adaptiv Interface, LVDS In/Out Cables, Car specific T-Harness and AV In Cable.

## Prior to installation

Read the manual prior to installation. Technical knowledge is necessary for installation. The place of installation must be free of moisture and away from heat sources. Connects2 cannot be held responsible for the installation of this product.

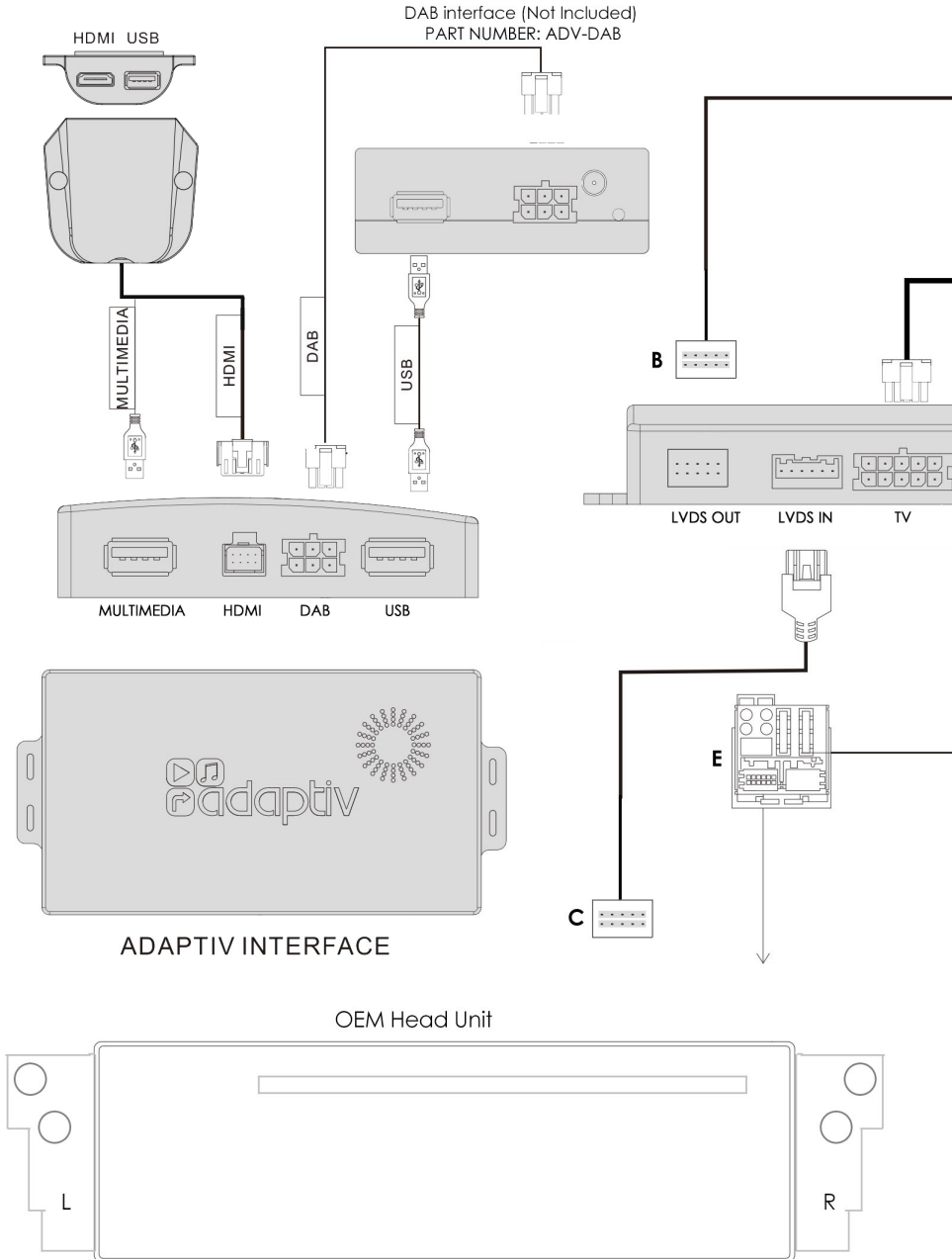
## Technical Support

Connects2 want to provide a fast and suitable resolution should you encounter any technical issues. With this in mind, when contacting Connects2, try to provide as much information as possible. This will speed up the process and help us to help you.

**Please use our dedicated online technical support centre: [support.connects2.com](http://support.connects2.com)**

# CONNECTION DIAGRAM - ADAPTIV E60/E70/E87/E90 PLATFORM

(8.8" w

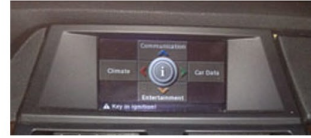


Screen Type A  
(with rounded surround)

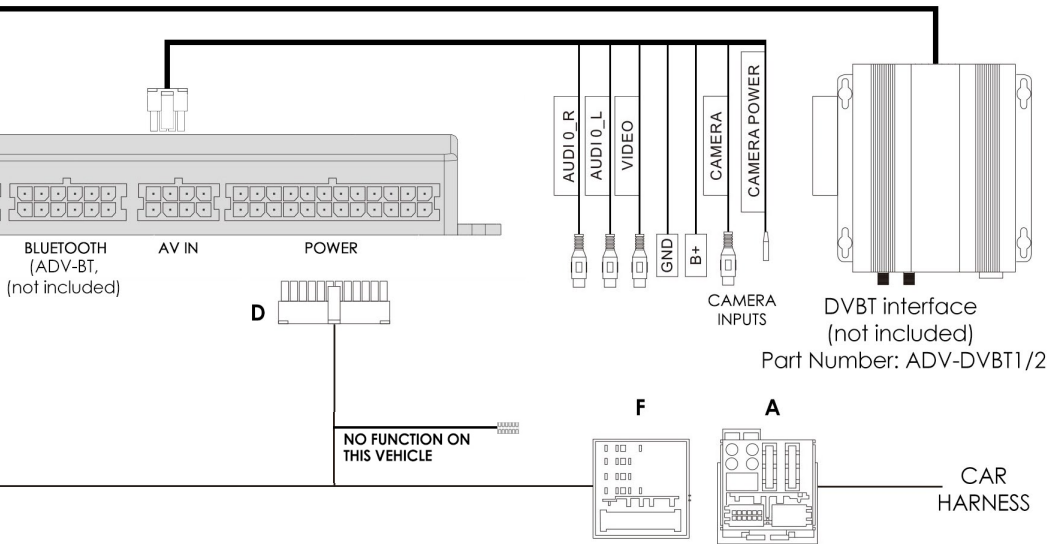


Screen Type B  
(8.8" with square surround)

Screen Type C  
(6.5" with rounded surround)



Screen Type D  
(6.5" with square surround)



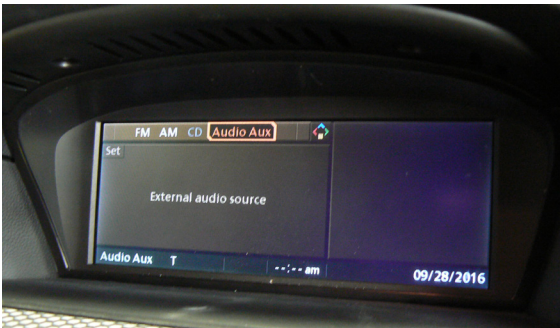
**INTERFACE REVERSE**

**DIPSWITCHES**

- Screen Type A: Dip 1 On, Dip 2 On
- Screen Type B: Dip 1 On, Dip 2 Off
- Screen Type C: Dip 1 Off, Dip 2 On
- Screen Type D: Dip 1 Off, Dip 2 Off

1. Remove the OEM head unit and disconnect the main power Quadlock (A). If there is a fibre optic cable, unplug this and connect into the supplied Quadlock (E).
2. Disconnect 10 pin LVDS connector (B) from the rear of the OEM head unit.
3. Connect this 10 pin LVDS connector to the "LVDS OUT" on the Adaptiv interface.
4. Connect the LVDS cable supplied (C) into the OEM head unit, connect the other end of this cable to "LVDS IN" on the Adaptiv interface.
5. Make all required module connections such as DAB, DVBT, HDMI.
6. Connect the supplied 24 way power and speaker connector (D) to the Adaptiv interface, connect the male Quadlock connector (E) into the OEM head unit, Connect the female Quadlock connector (F) into the OEM male Quadlock connector (A) disconnected in step 1.

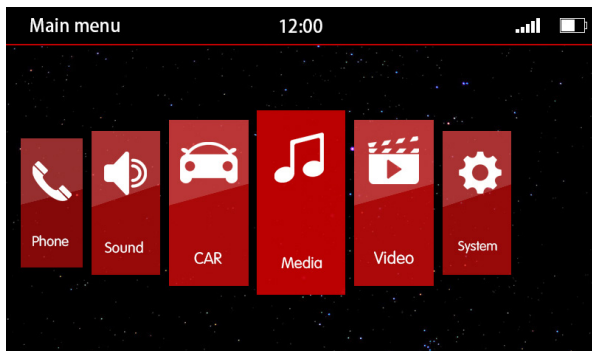
1. Before using your Adaptiv product, please ensure that the **Aux in** option is selected on your OEM head unit. If your head unit does not have the Aux in activated from factory, the Adaptiv interface is capable of activating the Aux input in the Adaptiv menu (see page 9). This allows the Adaptiv product to use the Aux In source for its wide range of multimedia inputs.



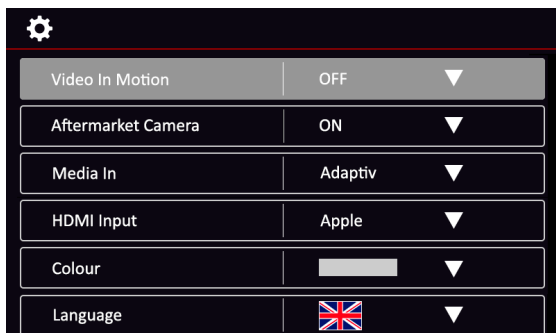
2. In order to activate your Adaptiv product, press and hold the **MENU** button on your OEM rotary commander in the centre armrest console. The screen will switch to the Adaptiv start up screen.



3. Main Menu - Use the rotary commander to scroll left across to the **System** icon. Press down on the rotary commander to select System.



4. Scroll down to **Language** and select the required language.



5. In order to exit Adaptiv and return to the OEM head unit menu, press and hold the **MENU** button. A single press of menu will go back one screen within Adaptiv mode. Selecting the '**CAR**' icon on the Adaptiv homescreen with the rotary commander also exits Adaptiv mode.



The System menu allows the user to customise and select various options.

### **Video in Motion Enable**

Enables/Disables video playback whilst the vehicle is in motion.

This feature is turned off by default. It is the drivers responsibility to obey local traffic laws.

### **Aftermarket Camera Enable**

The Adaptiv interface allows the input of an aftermarket camera into the OEM screen. This feature is turned off by default and should only be enabled if an aftermarket camera is connected. If an OEM camera or parking sensors are fitted, they will continue to function as normal when reverse gear is engaged.

### **HDMI Input**

Switch between Apple and Android devices. Apple or Android specific connections are not included.

### **Colour**

Allows the user to change the colour scheme. The colour is set to red/white by default.



**Language**

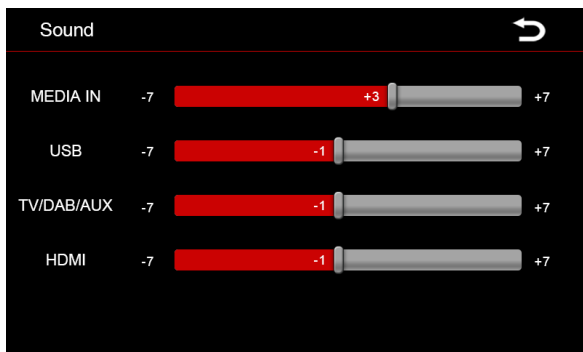
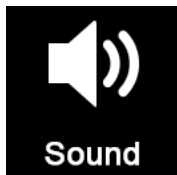
Allows the user to change language of the Adaptiv interface. The interface is set by default to English.

**Video Input**

Change the Brightness/Contrast of the picture for AV In.

**Car Aux Activation**

The Adaptiv interface allows the activation of the OEM Aux input if your vehicle does not currently have this enabled. Select this menu item and follow the instructions on the vehicle display in order to activate the Aux input.



The sound settings menu allows the user to set the volume level of an audio source independently. When switching the source, the volume level will be automatically adjusted to the user defined level.

Move the volume controller up or down to increase or decrease the volume gain level.




## Before Use

Please ensure the optional ADV-DAB module is connected to the Adaptiv interface and that the DAB antenna is connected. Note that the dipswitch on the ADV-DAB module should be in the On position. This outputs 5V power to the DAB antenna.

## Selecting DAB

Scroll to the DAB icon  on the Adaptiv homescreen.

## Scanning

When DAB is first selected, you must scan in order to find available DAB stations. Select the Scan icon . After scanning, the first available station will be heard and will be shown on the display.

## Key to Icons



Scan



Current station Info



Station List



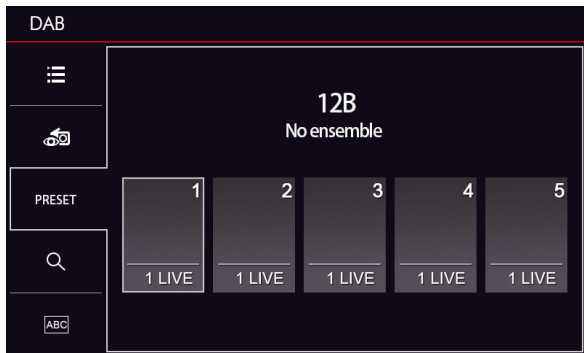
Ensemble View



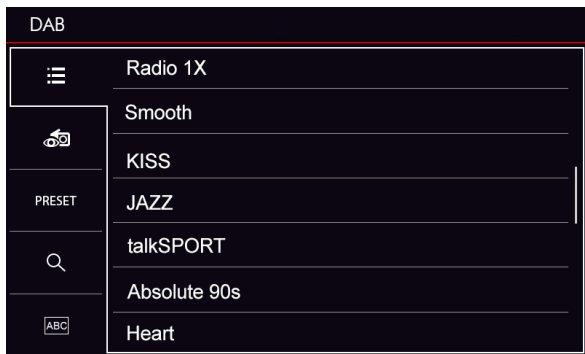
Alphabetical  
View

## Storing Presets

To store a preset, select the desired radio station. Select the Preset icon from the right hand side of the display. Scroll to the required preset button (1-10) on the station presets display. Press and hold the rotary commander to save the preset. The station name will then be shown within the preset icon. It is possible to store 10 presets.



Station Presets display



Station List display



Radio station info display



### Before Use

Please ensure the ADV-HDMI module is connected to the Adaptiv interface. The ADV-HDMI module is supplied with a female HDMI socket which allows connection of Apple/Android devices with HDMI out (Device specific adapters not included).

### Selecting HDMI

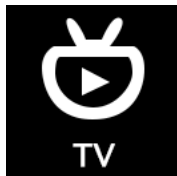
Scroll to Video on the Adaptiv homescreen and select with the rotary commander. Select the HDMI icon  .

### Playback

The HDMI source allows high resolution multimedia playback from a variety of Apple/Android devices. The multimedia content must be controlled from the device itself.

### Exit HDMI

Press the **Menu** button on the rotary commander.



### Before Use

Please ensure the optional ADV-DVBT module is connected to the Adaptiv interface and the DVBT antennas are connected.

### Selecting TV

Scroll to **Video** on the Adaptiv homescreen and select the TV icon with the rotary commander.



### Scanning

When TV is first selected, you must scan in order to find available TV stations. Select the Scan icon **SCAN** located on the lower menu bar on the second menu page.



Left direction



Right direction



Up direction



Down direction



Select



Search channel



Back



Channel  
Information



Record Duration  
(Requires USB key  
to be connected  
to the DVBT Tuner)

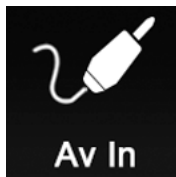


System setting  
menu




## Exit TV

Press the **MENU** button on the rotary commander.



The AV In feature allows audio/video input of any devices with a composite output (Aux L, Aux R and Video). Control is from the connected device.

### Selecting AV In

Scroll to **Video** on the Adaptiv homescreen. Select the AV In icon  on the Adaptiv homescreen.

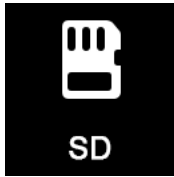
### Exit AV In

Press the **MENU** button on the rotary commander.

### Aftermarket Reverse Camera Input

The supplied AV In cable also includes an option to connect an aftermarket reverse camera. This option can be enabled in the System settings menu under '**Aftermarket Camera Enable**'.





The operation and features are the same when using USB or SD.

### File Formats Supported

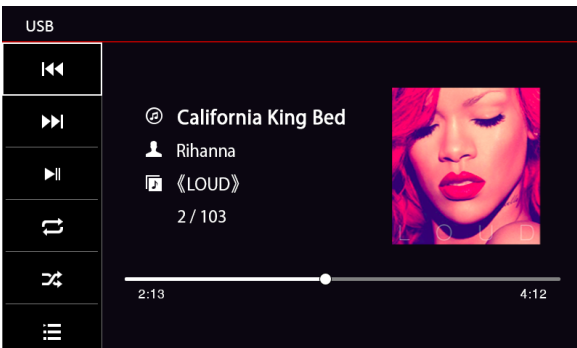
The following file formats are supported:

- |        |        |        |
|--------|--------|--------|
| Audio  | Video  | Image  |
| - MP3  | - MPEG | - JPEG |
| - AAC  | - AVI  | - PNG  |
| - FLAC | - FLV  | - GIF  |
| - APE  | - WMV  |        |
|        | - MP4  |        |
|        | - MKV  |        |
|        | - OGM  |        |

### Selecting USB/SD

Ensure that a USB or SD card is inserted into the Adaptiv interface Multimedia or HDMI socket. Scroll to **Media** on the Adaptiv homescreen. Select the USB icon  or the SD icon  as required.

### USB/SD Playback



USB/SD Playback display

## Key to Icons



Previous track



Next track



Play / Pause



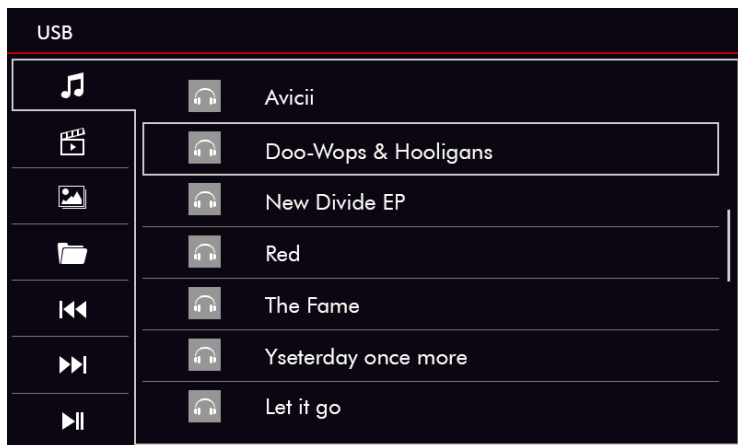
Repeat    Select once to repeat the song  
Select twice to repeat/loop.



Shuffle    Select this to shuffle and play  
tracks at random.



Play list





Open music files on USB/SD media



Open movie files on USB/SD media



Open image files on USB/SD media



Open all files on the USB/SD media (Folder Structure)

## Movie playback



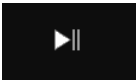
## Key to Icons - Movie playback



Previous track



Next track



Play / Pause



Stop

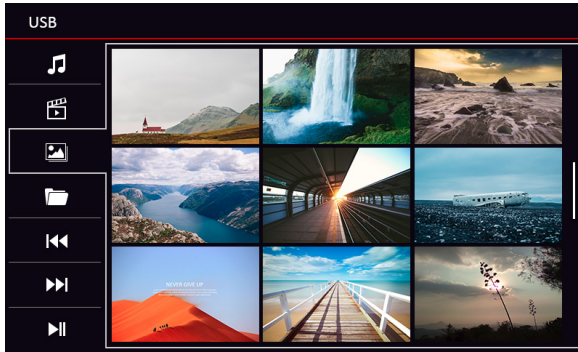


Fast forward



Back to previous menu

## Images - Menu



Images which are saved on the SD-Card or USB device can be displayed on the Adaptiv unit startup screen. Any supported image format can be used. To do this, select the icon in the bottom left corner, as shown in the picture above.

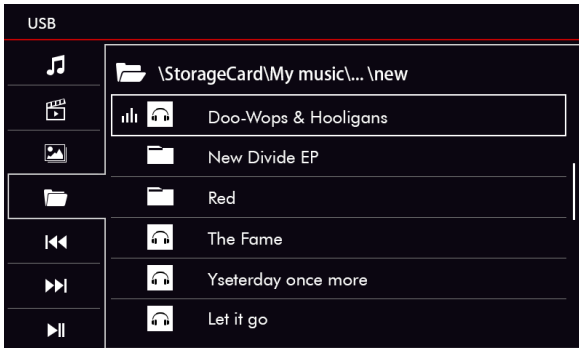


The chosen image is saved as the start screen. This will be confirmed by the green icon in the bottom left corner, as shown in the picture above.

To delete the startup image, select the memory button as shown above.

A red symbol appears to confirm the image was deleted as the start screen.

### Folder Structure Menu



Select a folder. If the folder has a sub-folder this can also be selected from this page.



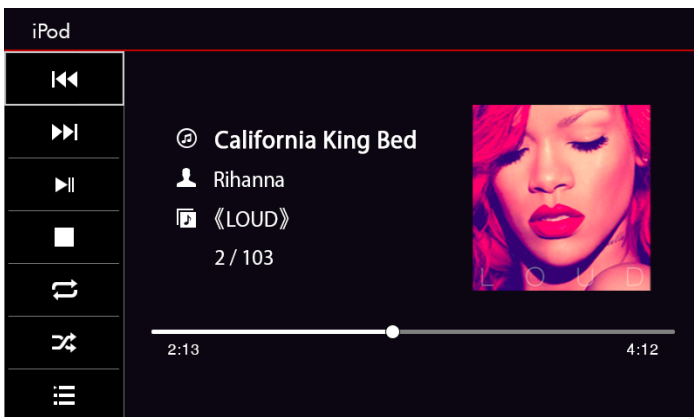
The iPod feature allows direct input and control of iPhone/iTouch/iPad devices.

### Selecting iPod

Scroll to media on the Adaptiv homescreen. Select the iPod icon



iPod - Song list display



iPod - Song info display

## Key to Icons



Album



Artist



Song



Playlist



Previous track



Next track



Play / Pause



Repeat

Press once to repeat the song  
Press twice to repeat/loop.



Shuffle

Press this to shuffle and play  
tracks at random.



List view

## Exit iPod

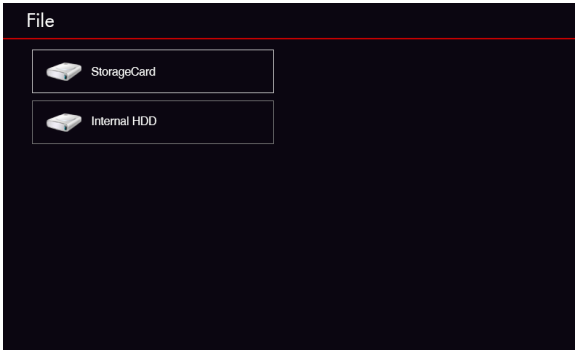
Press the **Menu** button on the rotary commander.



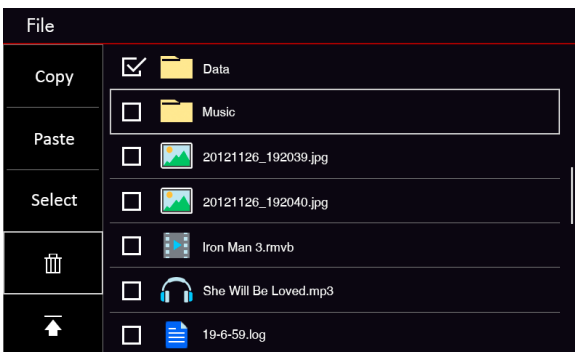
This option allows the transfer of files between a USB memory stick and an SD Card.

### Selecting File Transfer

Scroll to **System** on the Adaptiv homescreen. Select the File icon  .



Files can be copied to/from an SD card which is inserted in the 'Media SD' slot and also a USB memory stick inserted into 'Multimedia' USB port.



Select the required files and use the copy and paste functions to move files between the two storage devices.



## Key to Icons

	Copy File		Paste File
	Choose all files		Delete selected file
	Back to previous menu		



The current software version can be accessed via this page. Please make a note of this should you need contact Connects2 for support.

Should your unit require a software update, please ensure the USB key with the update file is inserted into the Adaptiv interface 'Multimedia' USB slot, or alternatively the USB input on the HDMI module can be used.



<b>Power</b>	
Power Supply	12V
Current Consumption	2A
Standby Current	7.5mA
Operating Temperature	-20c - +80c
<b>LCD</b>	
Resolution Output	400 x 240 / 800 x 480
<b>Inputs</b>	
Video Input	1 x RCA (AV) 1 x Rear Camera (V) 1 x HDMI
DAB	1 x DAB (ADV-DAB)
TV	1 x TV (ADV-DVBT)
USB	1 x Multimedia
SD	1 x Multimedia

