Anycar-Link Instruction Manual

Chapter 1 – Getting Started

1.1 Introduction

Thank you for purchasing Anycar-Link interface. The interface is designed to provide endless hours of listening pleasure through most vehicles factory radios. You will be able to control MP3 or iPod with the car stereo buttons or steering wheel, and iPod will stay charged when connected to the car stereo. To insure that your iPod or MP3 performs correctly in your car or truck, we recommend that you read this entire manual before attempting install the interface.

1.2 Basic Features

- Perfect CD quality sound
- Integrate iPod/iPhone/MP3/USB /SD into factory car stereo
- Direct connection through CD changer or extension port
- Control iPod/music files, browse playlists, change tracks via car stereo or steering wheel buttons
- Last position memory function
- Charged iPod/iPhone while connected
- Automatic pause when receiving a call and resume when call ended (for bluetooth models only)
- Ipod models support iPod mini, iPod nano, iPod photo, iPod video, iPod classic, iPod touch, iPhone, iphone3G
- Compatible with Volkswagen, Audi, Skoda, Toyota, Honda, Nissan, Ford, GM, Mazda, Hyundai, Peugeot, Citroen, Renault, Suzuki, Chrysler, Benz, BMW, Panasonic, Sony, Alpine, Clarion, Pioneer, Sanyo, Blaupunkt

Four models available:

AL-1080A: Support MP3/USB/SD and 1/8" (3.5mm) stereo jack auxiliary input

- AL-1080B: Support MP3/USB/SD and Bluetooth
- AL-1080C: Support iPod/iPhone and Bluetooth

AL-1080D: Support iPod/iPhone and 1/8" (3.5mm) stereo jack auxiliary input

1.3 Precautions

1. The interface only operates on a vehicle with 12 Volt DC, negative ground system. Do not use it on other voltage system.

2. Securely install the interface in a location free from; heat, humidity, moving parts or direct sunlight. Beware of hot-air flow from your vehicle's climate control system. We recommend securing the interface to a suitable location, free of sharp metal edges, using double sided tape, Velcro or wire ties.

1.4 DIP-switch Set up

DIP-switch must be set before Anycar-Link is plugged into the vehicle. Otherwise it will not work correctly.

Brand	1	2	3	4
Audi Navigation	OFF	OFF	OFF	OFF
Audi/Volkswagen(8pin)	ON	ON	OFF	OFF
Audi/Volkswagen(12pin)	OFF	ON	OFF	OFF
Alpine(M-bus)	OFF	OFF	OFF	ON
BMW (i-bus)	OFF	OFF	ON	OFF
BMW (i-drive)	ON	OFF	ON	OFF
Benz	ON	OFF	OFF	ON
Blaupunkt	OFF	ON	OFF	ON
Clarion (Ce-net)	ON	OFF	OFF	OFF
Ford (ACP)	OFF	OFF	OFF	ON
Honda (2.0\ 2.4\3.0)	ON	ON	ON	ON
Honda (2.3)	ON	ON	ON	OFF
Mazda (10 disc)	ON	ON	ON	OFF
Mazda (6 disc)	ON	ON	OFF	ON
Nissan	OFF	ON	ON	OFF
Renault	OFF	OFF	ON	ON
Toyota (Small)	OFF	ON	ON	ON
Toyota (big)	ON	OFF	ON	ON
Audi/Volkswagen(can bus)	ON	ON	ON	ON
BMW (can bus)	OFF	ON	ON	ON
Benz (can bus)	ON	OFF	ON	ON
Fiat (can bus)	OFF	OFF	ON	ON
Ford (Can bus)	ON	ON	OFF	ON
Opel (can bus)	OFF	ON	OFF	ON
Peugeot/Citroen(Can bus)	ON	OFF	OFF	ON
Porsche(can bus)	OFF	OFF	OFF	ON
Renault(can bus)	ON	ON	ON	OFF

DIP-Switch chart

Chapter 2 – General Installation

2.1 Installation location

Most installations will require you to remove the factory radio in order to plug in the vehicle specific harness.

For some vehicles you will also have an option to connect the interface to the factory pre-run CD changer cable located in the trunk or glove box.

2.2 Tools needed

In many cases there are no any special tools required in order to remove the stereo out. For some stereos it is better to use car stereo removal tools. Please consult your local car audio shop or your vehicle's dealership for instructions or assistance if necessary.

2.3 Preparation and installation

1. Turn off car engine and remove key from ignition

2. If your radio uses a Security Code, make sure that you have the code before

unplugging the radio.

3. Un-mount your radio from the dash in order to get access to the back side of the radio. Some vehicles require the special tools to remove the radio. Please consult your vehicle's dealership or a local car audio professional if necessary.

4. Attach the Anycar-Link harness connector to the back of the stereo to the CD changer port. Be sure to make a firm connection but do not force it. Note:

a) If there is a BLACK ground wire on the harness, you will need to attach it to the metal part of the car stereo chassis (car stereo body).

b) If there is a YELLOW power wire on the harness, you will need to attach it to the power of the car, which connect to battery

c) If there is a RED ACC wire on the harness, you will need to attach it to the ACC signal of the car.

Without attaching those cables to the right position, Anycar-Link interface will not work! 5. Check DIP-switch if set up correctly.

6. Connect Anycar-Link with harness. AL-1080A and AL-1080B connect as picture 1, AL-1080C and AL-1080D connect as picture 2

7. If the harness with a 1/8" (3.5mm) stereo jack input, you can insert it to CDC position for continuing to use your existing CD Changer.

8. For model AL-1080A/B, insert iPod,USB disk or SD Card. For PC, PSP, MD, Mobile Phone etc aux device, please connect it to Aux in port. (Please refer to usage manual about file setup and edit)

9. For model AL-1080C/D, connect the iPod cable to the iPod. Turn on the iPod. Now you should hear the sound coming from the car stereo speakers.

10. Once the interface is connected to the radio, you will need to test the operation of the interface before re-assembling the dash. With the operation of the interface

confirmed, you may continue with the installation. If you experience difficulties with the installation, please see our troubleshooting section.

11. Turn your car stereo on and switch it over to CD Changer mode. In order to do so you can use Disk / Mode / CD / SOURCE / AUX buttons on your car stereo (depending on the stereo type). Now the Anycar-Link will run, please proceed to the next chapter for usage manual.

Note: for some cars like Lexus, Toyota, Honda, and Acura cars after turning your stereo on you have to turn ignition off and then on for device to get recognized.

12. Find a place where you can place Anycar-Link. In many cars there is enough room in the dash to place Anycar-Link.

Note: Make sure you mount Anycar-Link in a place with enough room so when you mount the car stereo back you do not break the interface.

Mount your car stereo back into the dash, make sure it's clips or screws are secure.
For some AUDI stereo the additional part or harness modification required in order to gain the access to the CD changer port. The 8-pin CD changer port on such stereos is occupied by solid 20-pin connector. So need to connect with our special Audi cable.







Chapter 3- Usage manual

3.1 Supported operations

For most car radio, the following operations will be supported

- Disk Change

When you select Disk number or DISC+, DISC-, MP3 or iPod will jump to the playlist(folder)

- Next track

When pressed on car stereo, MP3 or iPod will jump to the next song and car stereo track number will represent song number in a current playlist(folder)

- Previous track

When pressed on car stereo, MP3 or iPod will jump to the previous song and car stereo track number will represent song number in a current playlist(folder)

- Fast Forward

When pressed, MP3 or iPod will start rewinding current track forward. Time on car stereo will represent actual position within the audio track, If iPod is simple mode, iPOD will jump to current track+5.

- Fast Reverse

When pressed, MP3 or iPod will start rewinding current track backward. Time on car stereo will represent actual position within the audio track, If iPod is simple mode, iPod will jump to current track-5.

- Play/Pause

The MP3 or iPod will automatically start play or pause.

-Repeat

It will switch between MP3 and AUX IN and it will receive and end a call in Bluetooth version

-Scan

If without **Repeat** button in stereo, it will switch between MP3 and AUX IN and it will receive and end a call in Bluetooth version

-Disk / Mode / CDC / SOURCE / AUX

It will switch between Anycar-link and FM/AM and it will receive(switch to Anycar-link) or end(switch to FM/AM) a call in bluetooth version.

3.2 iPod interface introduction

Anycar-Link iPod interface can operate in 2 modes:

a. Advanced mode: iPod is locked for control and only operated via car stereo buttons. In this mode all data is synced between stereo and iPod. Allow you to see current information such as track number, playlist number etc. The clickwheel of the iPod is disabled when in this mode.

b. Simple Mode: iPod can be controlled via clicking wheel and stereo controls. Information on car stereo is not accurate and does not represent the actual song, so the display information on car screen only for reference. If the car radio is direct select track number or disc number, the operation will map to next/pre track or disc +/-. For example, if current disc (playlist) is 2, you press disc 5, iPod will jump to playlist 3, not playlist 5, but display info on screen of car radio is disc 5. And then if you press disc 4, iPod will jump to playlist 2,not playlist 4,but display info on screen of car radio is disc 4. Track is same as disc if iPod in simple mode, so the track number and playlist number is no limited.

3.3 Bluetooth function introduction

1. Specification

It is compliant with the Bluetooth Specification 1.2 supporting the following profiles: Bluetooth headset Profile 1.1, Hands-free Profile 1.0. However, interoperability between the Anycar-link and other Bluetooth-enabled products is not guaranteed because it depends on compatibility. Check with the manufacturers of other devices to determine their compatibility with this device.

Your mobile and other devices need support the following profiles:

- Wireless object exchange profiles (OBEX)
- Bluetooth Hands-free profiles or headset profiles (HFP/HSP).
- Bluetooth Advance Audio Distribution Profiles (A2DP).
- Bluetooth Audio/Video Remote Control profiles (AVRCP).

Frequency band	2.4GHz-2.48GHZ the ISM band
Bluetooth Version	V1.2 and fully compliant with V1.1/V1.0
Support Profiles	HSP/HFP and A2DP and AVRCP
Class of can of exit	Class 2
Receiver sensitivity	<-84DBM at le-3 ber
Valid Distance	10 meters maximum (30 feet)

2. Pairing

You must pairing Anycar-link with a compatible phone to active Bluetooth function 1) Enter the Bluetooth menu of your phone and make sure that the Bluetooth feature is activated.

2) Enter the submenu where you can set the phone to search for Bluetooth devices, and start the search.

- 3) Turn on your engine, Anycar-link will search and automatically pairing.
- 4) Select the "BLT-988 " or "Anycar-link " from the list of phone.
- 5) Bluetooth function is active now.

3. Disconnecting

You can disconnect Anycar-link from your phone in following ways:

- Power off Anycar-link.
- Disconnect Anycar-link in the Bluetooth menu of your phone.
- Move Anycar-link more than 10 meters away from the phone.

4. Bluetooth Troubleshooting

If you cannot connect the Anycar-link to your phone, do as follows:

• Make sure Anycar-link is powered on and paired with your phone.

• Make sure that the Bluetooth feature is activated on your phone.

• Make sure Anycar-link is within 10 meters of your phone and no obstructions between Anycar-link and phone, such as walls or other electronic devices.

•After iPhone is disconnected, need to re-pairing every time, not support automatically connection.

•One time only connect one Bluetooth device. It will be searching if without Bluetooth device. For ever pairing device except iPhone, it will active while connected; for new device, need to pairing then connect.

5. Basic function

When Anycar-link is connected to your phone, you can use your phone in the normal way or control via radio buttons.

Making a call

Making the call by using your phone in the normal way.

Rejecting a call

If you want to reject a call, press Source, AM or FM button in CDC mode.

Ending a call

If you want to end the currently active call, press Repeat, Scan (VW) or Source, AM, FM button.

Answering a call

If you want to answer the call, press Repeat, Scan (VW), Source or CDC button. While the call comes, the music will be paused automatically and start to receive the ring.

Music function

The device can play the music of mobile by connecting the mobile. **Note:** This Bluetooth mobile need support A2DP profile, otherwise the device can't play the music of mobile.

3.4 File Setup and Edit

1. ANYCAR-LINK support multi folder playback, one directory is mapped to one disk and one file is mapped to one track. The music file on root directory will display CD01 on car radio screen, The music file on sub-directory will display CD02, CD03...CD98, the order is according to the time that you save on SD card or USB Disk. The folder name can be English letter or Arabic numerals or the others.

We suggest saving some music files on both root and sub-directory, it will increase the searching speed of ANYCAR-LINK, if root directory is empty, it will start from first sub-directory (Radio screen display CD02)

2. ANYCAR-LINK can support up to 99 folder (including root directory), every folder can save up to 99 files (You can save up to 1000 music files, but most of OEM radio only can display double-digit track number, like number 188 music file will display 88 on radio screen), Here is the details of folder support quantity according to different car radio: Volkswagen radio support 6 or more folders Toyota radio support 99 folders Honda radio support 99 folders Mazda radio support 6 or 10 folders Suzuki radio support 9 folders Hyundai 8 pin radio support 8 folders Hyundai 13pin radio support 9 folders Peugeot radio support 5 folders Citroen radio support 5 folders Sony radio support 6 or 10 folders Pioneer radio support 99 folders Alpine(M-bus) radio support 6 folders Panasonic radio support 9 folders Clarion radio support 9 folders Sanyo radio support 9 folders Blaupunkt radio support 9 folders

3. ANYCAR-LINK support folder automatic repeat playback function, it means once the last song of the folder playback is down, it will automatic jump to first song of the folder. If you want to change the folder, just press the disk+/- button on the radio panel. ANYCAR-LINK also support memory playback, once you power off the engine, it will memorize the track number and disk number to MCU, when you power on the engine, it will start playback from the beginning of this song track and disk that MCU memorized

3.5 Troubleshooting

1. Radio can not identify ANYCAR LINK

- (1) Check the DIP switch whether be set on the correct position.
- (2) Check all cable whether connected correctly.

2. Audio play normally but screen display is not work (play time, disk number not display on screen)

(1) Check the DIP switch whether be set on the correct position

(2) Press 'RESET' bottom to check whether work normally.

Note: Sometimes ANYCAR-LINK will not display or out of control, you just need press "RESET" button, then it will get right.

3. Screen display is normal but without voice or single voice channel

(1)Check SD card or U disk whether plug firmly and save WMA/ MP3 format files. Moreover, some inferior SD card or U disk may not be compatible.

- (2) Check Radio volume whether switch on or is on the 'MUTE' mode
- (3) Check Radio sound field mode whether set on the equilibrium position
- (4) Press switch key to switch to CDC or FM mode.
- 4. Audio play and screen display normally, but can't change disk
- (1) Check whether set up multi-directories in memory devices

Chapter 4- TECHNICAL SPECIFICATION

Input voltage (VDD)	7 to 15VDC
+ACC voltage	3VDC to VDD
-ACC voltage	0 to 1 VDC
Current	80 mA (12V)
Standby current	< 5 mA
USB Power supply	5V, 200mA
File format	WMA,MPEG1/MPEG2 audio layer2/3(MP3)
WMA sampling rate	8Kbps to 320Kbps
MP3 sampling rate	Extension to MPEG lower sampling rate, variable bit rates
	and free-format bit-stream
AUX In	1.0Vrms (10k Ohm)
Audio output	2.0Vrms (10k Ohm)
Audio S/N	>90 dB (1kHz,0 dB)
Dynamic range	>80 dB (1kHz,0 dB)
THD	0.04%
Cross Noise	>80 dB (1kHz,0 dB)
Environment Condition	Operating Temperature -20°C ~ 70°C
Dimension (L x W x H)	10.5 x 6.6 x 1.8 cm
Weight	~650 g