



**KIENZLE  
AUTOMOTIVE**

# Bedienungsanleitung Instruction Manual

## CR1225DAB+

### Car Radio

USB / CD / DAB/ Bluetooth / I-Mode



# **CONTENTS**

CONTENTS .....	2
SAFETY INFORMATION .....	2
PANEL CONTROLS .....	6
GENERAL OPERATION .....	7
CD/MP3/WMA OPERATIONS .....	9
USB/MP3 PLAYBACK .....	11
BLUETOOTH OPERATION .....	12
TUNER OPERATION .....	13
DAB OPERATION .....	15
I-MODE OPERATION .....	16
MENU FUNCTION .....	16
SOUND SETTINGS .....	18
ELECTRICAL CONNECTIONS .....	18
INSTALLING GUIDE .....	18
TROUBLESHOOTING .....	20
SPECIFICATION .....	21

## **SAFETY INFORMATION**

Thank you for purchasing this product. Please read through these operating instructions so you will know how to operate your model properly. After you have finished reading the instructions, keep the manual in a safe place for future reference.

### **WARNINGS**

**Do not operate any function that takes your attention away from safely driving your vehicle.**

Any function that requires your prolonged attention should only be performed after coming to a complete stop.

**Keep the volume at a level where you can still hear environment noises while driving.**

Excessive volume levels that obscure sounds such as emergency vehicle sirens etc. can be dangerous and may result in an accident. Listening at loud volume levels in a car may also cause hearing damage.

**Do not disassemble.**

Doing so may result in an accident, fire or electric shock.

**Use only in cars with a 12 Volt negative ground.**

Check with your dealer if you are not sure.

**Use the correct Ampere rating when replacing fuses.**

Failure to do so may result in fire or electric shock.

**Do not block the ventilation openings or radiator panels of the device.**

Doing so may cause heat to build up inside and may result in fire.

**Do not place foreign obejcts in insertion slots or gaps.**

Doing so may result in personal injury or damage to the product.

# PRECAUTIONS

## Product Cleaning

Use a soft dry cloth for periodic cleaning of the product. For more severe stains, please dampen the cloth with water only. Anything else has the chance of dissolving the paint or damaging the plastic.

## Temperature

Be sure the temperature inside the vehicle is between +60°C (+140°F) and -10°C (+14°F) before turning your unit on.

## Moisture Condensation

You may notice the CD playback sound wavering due to condensation. If this happens, remove the disc from the player and wait about an hour for the moisture to evaporate.

## Damaged Disc

Do not attempt to play cracked, warped, or damaged discs. Playing a bad disc could severely damage the playback mechanism.

## Maintenance

If you have problems, do not attempt to repair the unit yourself. Return it to your dealer for servicing.

## Never Attempt the Following

Do not grip or pull out the disc while it is being pulled back into the player by the automatic reloading mechanism. Do not attempt to insert a disc into the unit when the unit power is off.

## Inserting Discs

Your player accepts only one disc at a time for playback. Do not attempt to load more than one disc.

Make sure the label side is facing up when you insert the disc.

"Error 3" will be displayed on your player if you insert a disc incorrectly. Playing a disc while driving on a very bumpy road may result in skips, but this will not scratch the disc or damage the player.

## Irregular Shaped Discs

Be sure to use round shape discs only for this unit and never use any special shape discs.

Use of special shape discs may cause damage to the mechanism.

## Installation Location

Make sure this unit will not be installed in a location subjected to:

- Direct sun and heat
- High humidity and water
- Excessive dust
- Excessive vibrations

## Disc Accessories

There are various accessories available on the market for protecting the disc surface and improving sound quality. However, most of them will influence the thickness and/or diameter of the disc. Using such accessories can cause the disc to be out of standard specifications and may create operational problems. We recommend not using these accessories on discs.

## On handling Compact Discs (CD/CD-R/CD-RW)

- Do not touch the surface.
- Do not expose the disc to direct sunlight.
- Do not affix stickers or labels.
- Clean the disc when it is dusty.
- Make sure that there are no bumps around the disc.
- Do not use commercially available disc accessories.

*Do not leave the disc in the car or the unit for a long time. Never expose the disc to direct sunlight. Heat and humidity may damage the CD and you may not be able to play it again.*

### About media that can be played

Use only compact discs with the label side showing the CD logo marks below.



If you use unspecified compact discs, correct performance cannot be guaranteed.

You can play CD-Rs /CD-RWs which have been recorded only on audio devices. You can also play CD-Rs/CD-RWs containing MP3/ WMA formatted audio files.

*Some of the following CDs may not play on this unit: Flawed CDs, CDs with fingerprints, CDs exposed to extreme temperatures or sunlight (e.g., left in the car or this unit), CDs recorded under unstable conditions, CDs on which a recording failed or a re-recording was attempted, copy-protected CDs which do not conform to the audio CD industry standard.*

*Use discs with MP3/WMA files written in a format compatible with this unit. ROM data other than audio files contained in a disc will not produce sound when played back.*

# On Handling USB Memory

## Protecting the USB connector

- Only a USB Memory can be connected to the USB connector on this unit. Correct performance using other USB products cannot be guaranteed.
- Depending on the connected USB Memory device, the unit may not function or some functions may not be performed.
- The audio file format that can be played back on the unit is MP3/WMA.
- Artist/song name, etc., can be displayed. Certain, special characters may not be correctly displayed.

## **We accept no responsibility for lost data, etc., even if data, etc. is lost while using this product.**

To prevent malfunction or damage, note the following points. Read the USB Memory Owner's Manual thoroughly. Do not touch the terminals by hand or metal. Do not subject USB Memory to excessive shock. Do not bend, drop, disassemble, modify or soak in water.

Avoid usage or storage in the following locations:

- Anywhere in the car exposed to direct sunlight or high temperatures.
- Anywhere the possibility of high humidity or corrosive substances are present.
- Fix the USB Memory in a location where driver operation will not be hindered.
- USB Memory may not function correctly at high or low temperature.
- Use only certified USB Memory. Pay attention that even certified USB Memory, may not function correctly depending on its type or state.
- USB Memory function is not guaranteed. Use USB Memory according to the terms of agreement.
- Depending on the settings of the USB Memory type, memory state or encoding software, the unit may not play back or display properly.
- A file that is copy-protected (copyright protection) cannot be played back.
- USB Memory may take time to start playback. If there is a particular file other than audio in the USB Memory, it may take considerable time before the file is played back or searched.
- The unit can play back "mp3" or "wma" files.
- Do not add the above extensions to a file other than audio data. This non-audio data will not be recognized. The resulting playback may contain noise that can damage speakers and/or amplifiers.
- It is recommended to back up important data on a personal computer.
- Do not remove the USB device while playback is in progress. Change SOURCE to something other than USB, then remove the USB device to prevent possible damage to its memory.

# PANEL CONTROLS



- ① EJECT button
- ② POWER/ Mute button
- ③ SRC/ MENU
- ④ BAND/ AMS
- ⑤ DISP/ ADJ
- ⑥ Volume Control and OK button

- ⑦ Button 1 – 6
- ⑧ AUX-in jack/ I-MODE-in jack
- ⑨ USB1 socket
- ⑩ Disc slot
- ⑪ UP button
- ⑫ DOWN button

# **GENERAL OPERATION**

## **Eject button**

Press the **[Eject]** button to eject the disc

## **POWER/ Mute button**

Press the **[POWER]** button to turn the unit on. While the device is running press the **[POWER]** button to mute the sound or long press the **[POWER]** button to power off the unit.

## **SRC/ MENU button**

Press the **[SRC]** button to change between

TUNER – CD/MP3 – USB1/2 IN – AUX – I-MODE – A2DP - DAB mode.

In Tuner mode long press the **[SRC]** button to enter PTY mode. In CD/MP3 mode or USB1/2 input, long press the **[SRC]** button to start either Track or File search.

## **BAND/ AMS button**

Press the **[BAND]** button to switch band. In Tuner or DAB mode long press the **[BAND]** button to start auto memory store.

## **DISP/ ADJ button**

Press the **[DISP]** button to change the shown information.

Press and hold the **[ADJ]** button to access the settings of the device.

## **Volume control**

Rotate the **[volume knob]** to increase or reduce the volume level. While in device settings rotate the **[volume knob]** to change the selected setting. In track or file search rotate the **[volume knob]** to choose next or previous entry.

## **OK button**

Press the **[OK]** button to confirm a selection.

## **1 button**

Press the **[1]** button in Tuner or DAB mode to switch to preset station 1. Long Press the button **[1]** to store the current station. In CD/MP3, USB1/2, I-MODE or Bluetooth operation press the **[1]** button to pause or play the current track.

## **2 button**

Press the **[2]** button in Tuner or DAB mode to switch to preset station 2. Long Press the button **[2]** to store the current station. In

CD/MP3 or USB1/2 mode press the **[2]** button to select a folder.

### 3 button

Press the **[3]** button in Tuner or DAB mode to switch to preset station 3. Long Press the button **[3]** to store the current station. In CD/MP3 or USB1/2 mode press the **[3]** button to start scan play.

### 4 button

Press the **[4]** button in Tuner or DAB mode to switch to preset station 4. Long Press the button **[4]** to store the current station. In CD/MP3 or USB1/2 mode press the **[4]** button to repeat play.

### 5 button

Press the **[5]** button in Tuner or DAB mode to switch to preset station 5. Long Press the button **[5]** to store the current station. In CD/MP3 or USB1/2 mode press the **[5]** button to random play. Long press the button **[5]** to go back 10 tracks.

### 6 button

Press the **[6]** button in Tuner or DAB mode to switch to preset station 6. Long Press the button **[6]** to store the current station. In CD/MP3 or USB1/2 mode press the **[6]** button to switch the display between:

FILE – FOLDER – TITLE – ARTIST – ALBUM

Long press the button **[6]** to go forward 10 tracks.

### UP button

In Tuner mode press the **[^]** button to select the next available station or long press the **[^]** button to change the frequency step by step upward.

In DAB mode press the **[^]** button to select the next available station.

In CD/MP3 or USB1/2 mode press the **[^]** button to go to the next track. Press and hold the **[^]** button to fast forward.

In I-MODE or Bluetooth mode Press the **[^]** button to go to the next track. In the device settings press the **[^]** button to move to the next entry.

### DOWN button

In Tuner mode press the **[v]** button to select the previous available station or long press the **[v]** button to change the frequency step by step downward.

In DAB mode press the **[v]** button to select the previous available station.

In CD/MP3 or USB1/2 mode press the **[v]** button to go to the previous track. Press and hold the **[v]** button to fast reverse. In I-MODE or Bluetooth mode Press the **[v]** button to go to the previous track.

In the device settings press the **[v]** button to move to the previous entry.



# **CD/MP3/WMA OPERATIONS**

This unit can play back MP3 and WMA files.

## **Note:**

- *If you play a WMA file with active DRM (Digital Rights Management), no audio is output.*

## **Folder structure**

A disc with a folder having more than 8 hierarchical levels will be impossible.

## **Number of files or folders**

Up to 999 files can be recognized per folder and up to 3000 files can be played.

Tracks are played in the order that they were recorded onto a disc. (Tracks may not always be played in the order displayed on the PC.). Some noise may occur depending on the type of encoder software used while recording.

## **Eject function**

Just pressing the **[EJECT]** button ejects the disc even if the power to the unit was not turned on.

## **Note:**

*If you force a CD into before auto reloading, this can damage the CD. If a CD (12 cm) is left ejected for 15 seconds, the CD is automatically reloaded (Auto reload).*

## **Listening to a disc already loaded in the unit**

Press the **[SRC]** button to select the CD/MP3/WMA mode. When the unit enters the CD/MP3/WMA mode, play starts automatically.



## **Loading a CD**

Insert a CD into the center of the CD slot with the label facing up. The CD starts to play automatically after loading.

## **Note:**

*Never insert foreign objects into the CD Slot*

*If the CD is not inserted easily, there may be another CD in the mechanism or the unit may require service.*

Discs without the  or the  mark and CD-ROMs cannot be played with this unit.  
Some CD-R/CD-RW discs may not be usable.

## **Pausing play**

Press the **[1]** button to pause play. **"PAUSE"** appears in the LCD. To resume the play, press the **[1]** button again.

## Displaying title data

This unit can display title data for MP3/WMA discs. When SCROLL is off, each time you press the **[DISP]** button the information shown will change like this:

FILE – FOLDER – TITLE – ARTIST – ALBUM

### Note:

*If an MP3 / WMA disc contains no tag information, "NO TITLE" appears in the display  
Only ASCII characters can be displayed in Tags.*

## Selecting a track

Press the **[^]** button to move to the beginning of the next track.

Press the **[v]** button to move back to the beginning of the current track. Press the button again to move one track back.

## Fast-forward/ Fast-reverse

Press and hold the **[^]** button to fast forward.

Press and hold the **[v]** button to fast reverse.

### Note:

*For MP3/WMA discs, it takes some time until the start of searching between tracks. In addition, some error may occur in the play time.*

## Folder select

Press the **[2]** button on the front panel. Rotate the **[volume knob]** or press the **[^]** or **[v]** button to select the folder. With the button **[OK]** you enter the folder. Rotate the **[volume knob]** or press the **[^]** or **[v]** button to select a track. Press the **[OK]** button and the song will start to play.

## Search Function

Long press the **[SRC]** then rotate the **[volume knob]** to choose FOL SEARCH or TRK SEARCH.

### **Direct Song/File Access**

1. Press the **[OK]** button to enter the track list search mode.
2. Rotate the **[volume knob]** to select a digit.
3. Press the **[OK]** button to confirm the entry and tens digit will flash
4. Rotate the **[volume knob]** to select digit.
5. Repeat above steps to enter the hundreds and thousands digit, if necessary.
6. Press the **[OK]** button to play the selected file.

### Note:

*The unit will only allow the selection of digits that correspond with the number of files on the device you are searching*

## Searching Folders/Files

1. Press the **[OK]** button to enter the folder list search mode.
2. Rotate the **[volume knob]** to select a folder.
3. Press the **[OK]** button to enter the file list search mode. Then the track list appears on the LCD.
4. Rotate the **[volume knob]** to select a track.
5. Press the **[OK]** button to play.

### Note:

*While playing back a MP3/WMA file, this function is performed in the current folder.*

## Other play functions

### Scan play

This function allows you to locate and play the first 10 seconds of all the tracks recorded on a disc. Press the [3] button to perform a scan play.

### Repeat play

When you press the [4] button, "RPT ON" appears on the LCD and the unit will perform repeat play. Press the [4] button again and the repeat play will end. "RPT OFF" appears on the LCD.

### Random play

Press the [5] button to start random play. On the LCD appears "RANDOM ON"  
Press the [5] button again to end random play. On the display "RANDOM OFF" will be shown

### ID3

Press the [6] button to display  
FILE - FOL (FOLDER) – TTL (TITLE) – ART (ARTIST) – ALB (ALBUM).

## USB/MP3 PLAYBACK

### Loading USB equipment

Open the cap, plug the USB device into the socket. The unit automatically starts playing the music and the LCD will show "USB1" or "USB2".

### Take out USB equipment

Push the SRC button and switch to non USB mode, then take off the USB device, close the cap.

### Play / Pause a track

Push the [1] button to pause audio playback.  
To resume audio playback, push the [1] button again.

### Selecting a track

Press the [A] button to move to the beginning of the next track.  
Press the [v] button to move back to the beginning of the current track. Press the button again to move one track back.

### Note:

USB functions (flash memory type) MP3 music play

USB flash memory 2 in 1 support.

Fat 12/fat 16/fat 32 is possible.

File name: 32 byte

Dir name: 32 byte

Tag name: 32 byte

Tag (ID3 tag ver. 2.0)

Title/artist/album: 32 byte support.

USB 1.1 support, USB 2.0 support

Not all kinds of USB devices are compatible with the unit.

# **BLUETOOTH OPERATION**

This system can play audio data stored on a Bluetooth audio device. The car stereo with Bluetooth will be able to dial numbers, answer incoming calls and listen to music stored on the Bluetooth device.

## **Note:**

- *Do not leave the microphone of Bluetooth handsfree in the places with wind passing such as air outlet of the air conditioner, etc. This may cause a malfunction.*
- *If you leave it in the places subjected to direct sun, high temperature can cause distortion, discoloration which may result in a malfunction.*
- *This system will not operate or may operate improperly with some Bluetooth audio players. We cannot guarantee the compatibility of all mobile phones together with the unit.*
- *Audio playback will be set to the same volume level as set during telephone call. This might cause problems, if extreme volume level is set during telephone call.*

## **Handsfree Operations**

### **Pairing**

1. Turn on Bluetooth function of your mobile phone.
2. Enter mobile phone's Bluetooth setup menu.
3. Search for new Bluetooth devices.
4. Select **CR1225DAB+** from the pairing list on the mobile phone.
5. Enter "**1234**" as the password  
(The password default setting is "**1234**").
6. After pairing successfully, BT and HPF icons will light up. A2DP icon will light up after A2DP connected.

**You have to be in Bluetooth mode (A2DP) to use the following functions.**

### **Making a call**

Long press the [**^**] button to switch the source to "DIAL NUMBER"

Press the [**OK**] button to start dialing

Rotate the [**volume knob**] to select a digit.

Press [**OK**] to confirm the selection and enter the next digit. Repeat the above until all numbers are inputted. If you have entered a wrong number, press [**v**] to delete the number.

Press the [**^**] key to dial.

Press the [**v**] button to end the call.

### **Audio Streaming Operations**

What is A2DP?

A2DP is a vendor-independent technology that allows you to send stereo audio signals wirelessly via Bluetooth to the radio.

## **CAUTION**

*Please avoid operating your connected mobile phone while audio streaming. This may cause noise or sound choppy on the song playback.*

*Audio streaming may or may not resume after the telephone was interrupted. This depends on your mobile phone.*

*System will always return to Radio mode if audio streaming is disconnected.*

## **Play / Pause a track**

Push the **[1]** button to pause audio playback.

To resume audio playback, push the **[1]** button again.

## **Selecting a track**

Press the **[^]** button to move to the beginning of the next track.

Press the **[v]** button to move back to the beginning of the current track. Press the button again to move one track back.

### **Note:**

*Playing order will depend on Bluetooth audio player. When the **[v]** button is pressed, some A2DP devices will restart the current track depends on the duration of playback.*

*During music streaming playback, "A2DP and HFP" will be shown on the display. When A2DP device is disconnected, "BLUETOOTH DISCONNECT" will be shown on the display. Some Bluetooth audio players may not have play / pause synchronized with this unit. Please make sure both device and main unit are in the same play / pause status in BT MUSIC mode.*

# **TUNER OPERATION**

## **Band**

During radio play, press the **[BAND]** button to choose between 3 FM and 1 MW bands.

## **Up Tuning**

Press the **[^]** button to select the next available station.

Press and hold the **[^]** button to tune the frequency upward step-by-step

## **Down Tuning**

Press the **[v]** button to select the previous available station.

Press and hold the **[v]** button to tune the frequency downward step-by-step

## **Auto Store**

Long press the **[BAND]** button to scan preset stations. Hold it to automatically select stations and store them in the current band. The new stations replace stations already stored in that band.

## **Store and select Stations**

Press the **[1] – [6]** button more than 2 seconds to store the current station.

Press the **[1] – [6]** button briefly to select a preset station

## RDS Basics

**AF (Alternative Frequency):** When the radio signal strength is poor, enabling the AF function will allow the unit to automatically search another station with the same PI (Program Identification) as the current station but with stronger signal strength.

**PS (Program Service name):** The name of station will be display instead of frequency.

**AF Mode:** Long press the **[DISP]** to enter menu mode, then Press **[Λ]** or **[V]** button to show AF mode, then rotate the **[volume knob]** to select AF ON or OFF.

### Note:

*RDS service availability varies with areas. Please understand if RDS service is not available in your area.*

*AF indicator on LCD will flash until RDS information is received. If RDS service is not available in your area, turn off the AF mode.*

*When the AF function is turned on, this could cause interruptions in the radio signal.*

**REG Mode:** Long press the **[DISP]** to enter menu mode, then Press the **[Λ]** or **[V]** button to show AF mode, rotate the **[volume knob]** to select REG mode on and off.

REG on: AF function will implement the regional code (of the PI) and only stations in the current region can be tuned automatically.

REG off: AF function will ignore the regional code (of the PI) and stations in the other regions can also be tuned automatically.

## CT Service (Clock Time)

When receiving an RDS station, the CT (Clock Time) service automatically adjusts the time.

## Traffic Announcements

Some RDS FM stations periodically provide traffic information. TP (Traffic Program Identification)

Broadcasting of traffic information

Broadcasting of traffic information.

TA (Traffic Announcements Identification) Radio announcements on traffic conditions.

**TA Mode:** Long press the **[DISP]** to enter menu mode, then Press the **[UPΛ]** or **[V]** button to show TA mode, rotate the **[volume knob]** to select TA ON or OFF. When TA mode is turned on, the TA indicator will illume. When traffic announcement is received, the TA indicator will display. The unit will temporarily switch to the tuner mode (regardless of the current mode) and begin broadcasting the announcement at TA volume level After the traffic announcement is over, it will return to the previous mode and volume level. When TA is turned on, SEEK, SCAN, AMS function can only be received or saved when traffic program identification (TP) code is received.

**TA Retune:** Long press the **[DISP]** to enter menu mode, then Press **[Λ]** or **[V]** button to show TA Retune mode, rotate the **[volume knob]** to select Retune L (Long time) or S (Short time).

**TA Volume:** To change the TA volume level, you have to adjust the volume during an announcement.

## EON (Enhanced Other Networks)

When EON data is received, the EON indicator lights and the TA and AF functions are enhanced.

**TA:** Traffic information can be received from the current station or stations in other network.

**AF:** The frequency list of preset RDS stations is updated by EON data. EON enables the radio to make fuller use of RDS information. It constantly updates the AF list of preset stations, including the one that currently tuned into. If you preset a station around the area at your home, you will later be able to receive the same station at an alternative frequency or any other station serving the same program, EON also keeps track of locally available TP stations for quick reception

## PTY Reception (Program Type)

RDS FM stations provide a program type identification signal.

Example: news, rock, info, sport, etc.

## PTY Type Preset

Long press the **[SRC]** to enter PTY mode. Rotate the **[volume knob]** to select the desired program type. Then press the **[OK]** button to confirm.

## DAB OPERATION

### Search stations

Hold and press **[BAND]** button more than 2 seconds to start automatic tuning. The stations found will be listed alphabetically.

Press the **[^]** or **[v]** button to display the next or previous station. Press the **[OK]** button to select the displayed station.

If there is no DAB service or you have a weak signal, the device will not find any stations and end the search with the message "Found 0" on the LCD.

### Store Stations

Press the **[1] – [6]** button more than 2 seconds to store the current station.

Alternatively, you can also select a channel with **[^]** or **[v]**. Then you have to long press **[1] – [6]** to store the selected station.

Press the **[1] – [6]** button briefly to select a preset station.

If the device has no DAB signal, there will be "No Signal" shown in the LCD

## DAB Settings

### DAB ANT

Rotate the **[volume knob]** to choose between "Active" and "Passive"

Active: The unit provides power for a DAB antenna with booster.

Passive: Choose this one for a DAB antenna without booster

### CAUTION

***Make sure what kind of DAB antenna you use. Incorrect settings can cause damage to the device.***

# **I-MODE OPERATION**

You must use the supplied I-Cable to use the I-MODE properly.

## **Play/ Pause**

Press the [1] button to pause the play.

Press the button again to resume play

## **Track selection**

Press the [^] or [v] button to select the next or the previous track.

## **Voice Control**

Press the [OK] button to start the voice control of your smartphone.

### Notes:

- If you use Android cellphone the system must be Android 4.0 or higher version.
- The voice control function supports iPhone4S or higher version
- We cannot guarantee that every device is supported.

# **MENU FUNCTION**

At all mode, press and hold [DISP] button to enter system setup. Press [^] or [v] button to select options, press [OK] button to select and rotate the [volume knob] to adjust:

CLOCK – PASSWORD - CHG PASSWORD - 12/24H – BEEP - ID3 SCROLL - DX/LO – CT – AF - TA  
RETUN – TA - EQ MENU

## **CLOCK**

Select the Clock mode, press the [OK] button to enter clock setting mode, rotate the [volume knob] to set clock, press [^] or [v] button to select hour or minute, long press the [OK] button to save and exit.

## **PASSWORD: ON/OFF**

Rotate the [volume knob] to choose Password On or off.

## **CHG PASSWORD**

Press the [OK] button to enter Password setting mode, enter the old password "1234" and enter new password twice to change the password.

Then the LCD will show "SET SUCCESS".

## **12/24H**

Rotate the [volume knob] to choose time format: 12 or 24 hour.

## **BEEP: ON/OFF**

Rotate the [volume knob] to choose beep sound ON or OFF.



### **ID3 SCROLL: ON/OFF**

Rotate the **[volume knob]** to choose ID3 SCROLL ON or OFF.

### **DX/LO (RADIO mode): DX/LO**

Rotate the **[volume knob]** to choose radio local or distant at **RADIO** mode.

**LO**: Only stations with strong signal can be received.

**DX**: Stations with strong and weak signals can be received.

### **CT/AF/TA: ON/OFF**

Rotate the **[volume knob]** to choose the function ON or OFF.

### **TA RETUN: LONG/SHORT**

Rotate the **[volume knob]** to choose TA RETUN LONG or SHORT.

### **EQ MENU**

Press the **[OK]** button to enter EQ menu. Rotate the **[volume knob]** to adjust:

EQ OFF -> POP -> ROCK -> CLASSIC -> JAZZ -> CUSTOM.

# SOUND SETTINGS

Long press the **[DISP]** button and press the **[^]** button to select the EQ MENU setting mode. Pressing the **[OK]** button shows the current EQ. Rotate the **[volume knob]** to change the preset of the EQ in this order:

EQ OFF -> POP -> ROCK -> CLASSIC-> JAZZ -> CUSTOM

Long press the **[DISP]** button and press **[^]** button to select the EQ MENU, press the **[OK]** button and press **[^]** or **[v]** to select USER. Rotate the **[volume knob]** to select a value.

BALANCE: LEFT 1-7<-CENTER->RIGHT 1-7

FADER: FRONT 1-7<-CENTER->REAR 1-7

LOUD: ON/OFF

In the CUSTOM mode, press the **[OK]** button to enter and then press the **[^]** or **[v]** button to select USER preset including:

BASS-G: -7~+7

TRE-F: 10.0K/12.5K/15.0K/17.5K

TRE-G: -7~+7

MID-Q: 0.5/0.75/1.0/1.25

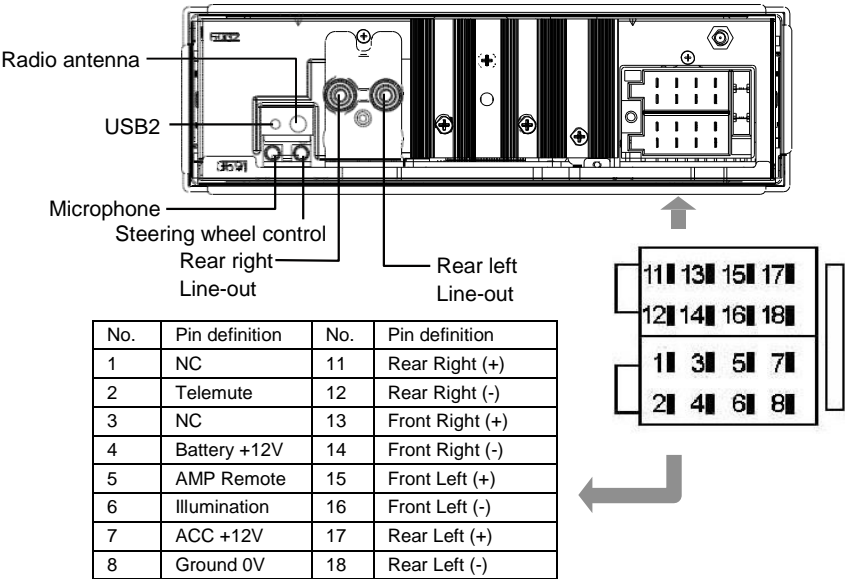
MID-FRE: 500/1K/1.5K/2.5K

MID-G: -7~+7

BASS-Q: 1.0/1.25/1.5/2.0

BASS-FRE: 60/80/100/200

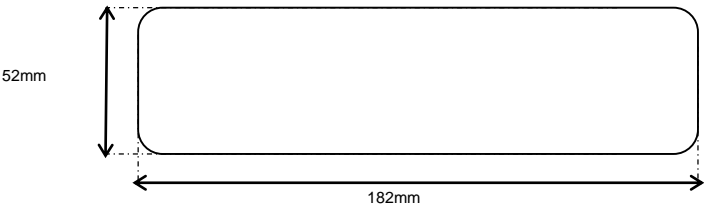
# ELECTRICAL CONNECTIONS



# **INSTALLING GUIDE**

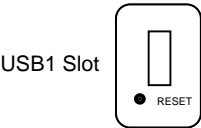
## **Installation Opening**

This unit can be installed in any dashboard having an opening as shown below



## **Reset**

Press the button with a pointed object to reset the unit. The reset button is located behind the cover of the front-side USB port.



## **Installation Procedures**

If relevant, remove any other audio system from the car. Insert the mounting sleeve into the dashboard. Fix it firmly in place by folding down the metal tabs. Check for sufficient space behind the dashboard for the unit chassis. Perform the required electrical connections. Then check that everything works before installing the main unit. Remove the two screws on top of the unit, otherwise the unit will not work. If you are not sure how to install this unit correctly, contact a qualified technician.

# **TROUBLESHOOTING**

The following checklist can help you solve some problems which you may encounter when using the unit. Before consulting it, check the connections and follow the instructions in the user manual. Do not use the unit in abnormal condition, for example without sound, or with smoke or foul smell can cause fire or electric shock, immediately stop using it and call the store where you purchased it.

<b>Problem</b>	<b>Possible cause</b>	<b>Solution</b>
<b>General</b>		
The unit will not switch on.	Car ignition is not on. Cable is not properly connected. Fuse is burnt.	Turn your car key in the ignition. Check cable connection. Replace fuse with a new fuse of the same capacity.
No sound	Volume is set at minimum or the mute function is on.	Check the volume or switch the mute function off.
The unit or screen does not work normally.	The unit system is unstable or the microphone is not plugged in the right jack.	Press the RESET button. Plug the microphone in the microphone jack.
Your call partner cannot hear you	The microphone is not plugged in the right jack.	Plug the microphone into the microphone jack.
<b>DISC mode</b>		
The appliance will not play discs.	The disc is inserted incorrectly. The disc is dirty or damaged.	Disc must be inserted with the label side facing up. Clean the disc and check for damage. Try another disc.
Sound skips due to vibration.	Mounting angle is over 30°. Mounting is unstable.	Adjust mounting angle to less than 30°. Mount the unit securely with the supplied parts.
<b>TUNER mode</b>		
No or poor channel reception.	The antenna is not connected properly or broken.	Connect the antenna properly (a Car specific adapter is maybe required). If the antenna is broken, replace it with a new one.
<b>USB mode</b>		
The USB device cannot be read.	NTFS format is not supported.	Check that the file system is in FAT or FAT32 format. Due to different formats, some models of storage devices or MP3 players may not be read.
<b>DAB mode</b>		
No Signal is shown in the LCD.	DAB antenna not plugged in right or broken No or weak DAB signal	Plug in the DAB antenna properly or replace your DAB antenna. Move to an area with stronger DAB signal.
<b>I-MODE</b>		
No sound or control	The I-cable is not plugged in correctly	Insert the plug firmly in the socket. Maybe the function must be activated on the phone.

# **SPECIFICATION**

<b>General</b>	
Power supply:	12V DC (11V-16V)
	Test voltage 14.4V, negative ground
Maximum power output:	45Wx4 channels
Continuous power output:	20Wx4 channels (4 - 10% T.H.D.)
Speaker impedance:	4Ω (4Ω - 8Ω allowable )
Pre-Amp output voltage:	2.0V (CD play mode: 1KHz, 0 dB, 10K load)
Fuse:	15A
Dimensions(WxHxD):	187 x 57 x 165mm
Weight:	1.7kg
Aux-in:	≥300mV
<b>FM Stereo Radio</b>	
Frequency range:	87.5-108.0MHz (Europe)
Usable sensitivity:	8 dBμ
Quieting sensitivity(S/N=50dB):	12 dBμ
Frequency response:	30Hz-15kHz
Stereo separation:	30dB (1kHz)
Image response ratio:	50dB
IF response ratio:	70dB
Signal/noise ratio:	55dB
<b>AM(MW) Radio</b>	
Frequency range:	522-1620 KHz
Usable sensitivity(S/N=20dB):	30 dBμ
<b>Disc Player</b>	
System:	Disc digital audio system
Frequency response:	20Hz-20kHz
Signal/noise ratio:	>80 dB
Total harmonic distortion:	Less than 0.20% (1kHz)
Wow and flutter:	Below measurable limits
Channel separation:	>55 dB

## Note:

*Specifications and the design are subject to change without notice due to improvements in technology.*



**KIENZLE  
AUTOMOTIVE**



**KIENZLE AUTOMOTIVE**

Kienzle Automotive GmbH Alexanderstraße 37-39  
45472 Mülheim/Ruhr  
P/N:127075006302