

BLAUPUNKT

AUS440

7" In Dash Touch Screen DVD Receiver Instruction Manual



Enjoy it.

IMPORTANT NOTICE & PRECAUTIONS

Thank you for using our company multi-media player! To operate the unit correctly, please read the operation manual carefully before using. Keep this operation manual for further reference.

The unit is designed only for DC 12V negative ground operation systems. Make sure your vehicle is connected to a DC 12V negative ground operation system. Be sure to connect the speaker(-) leads to the speaker(-) terminal. Never connect the left and right channel speaker wires together or to the vehicle body.

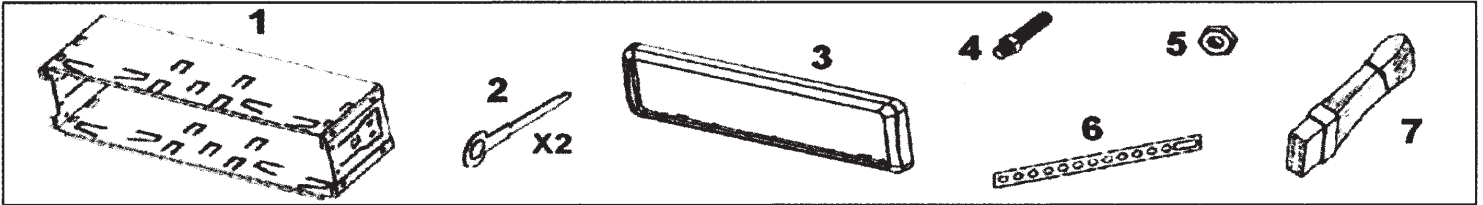
The normal temperature for operation is between -20 and +60 degrees Celsius. Do not operate in extremely high or low temperatures or block vents or radiator panels of the unit. Blocking them will cause heat to build up inside the unit and may cause damage or fire.

This unit can play the following discs (12 cm) and media files: DVD±R/RW / MPEG 4 / DivX / AVI / SVCD / VCD / MP3 / WMA / CD-R/RW / JPEG.

This operation manual shows the full version of this unit. GPS navigation system; dynamic multi-colour illumination; iPod connection, digital TV tuner; analog TV tuner; Bluetooth, AM radio band and RDS (Radio Data System) optional features of the software software and may not be included. Refer to the exact functions & features equipped with this unit for operation.

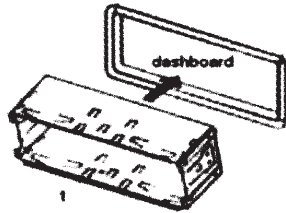
INSTALLATION

Accessories included in the package for installation

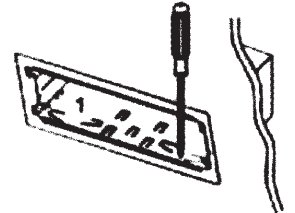


Mounting Method

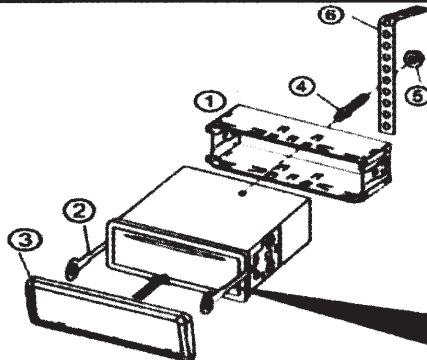
Put the mounting sleeve into the dashboard.



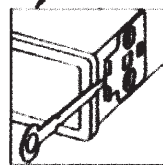
Bend the tabs of the mounting sleeve (1) outward into the dashboard for a secure mounting.



If necessary, use the strap (6) to secure the back of the unit in place. The strap (6) can be bent by hand to the desired angle.

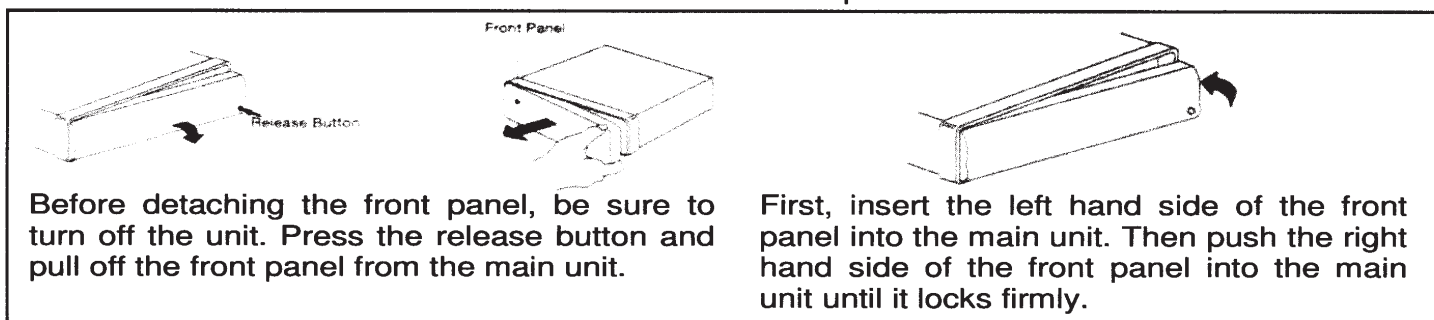


To remove the unit, insert the release keys (2) on both sides of the unit and then pull the unit out from the dashboard.



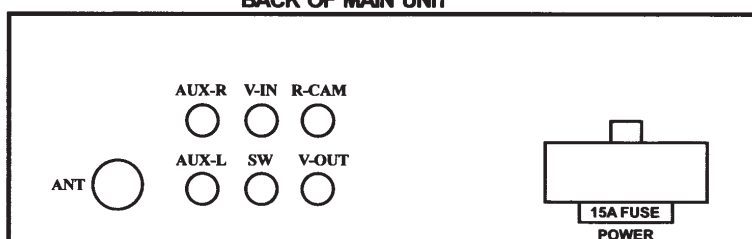
To Detach the Front Panel

To Replace the Front Panel



WIRING CONNECTION

BACK OF MAIN UNIT



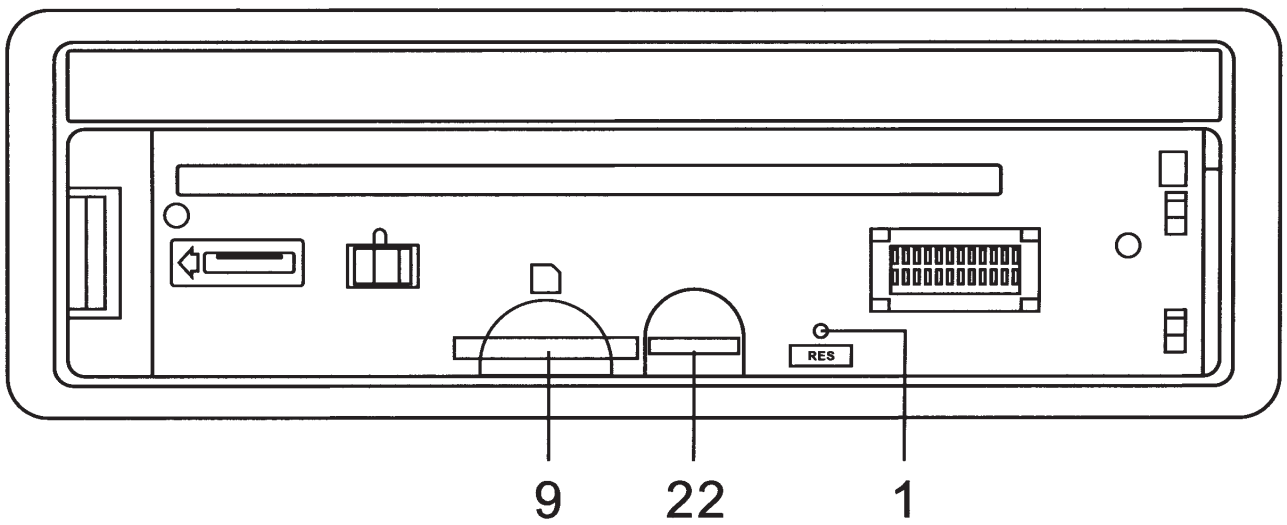
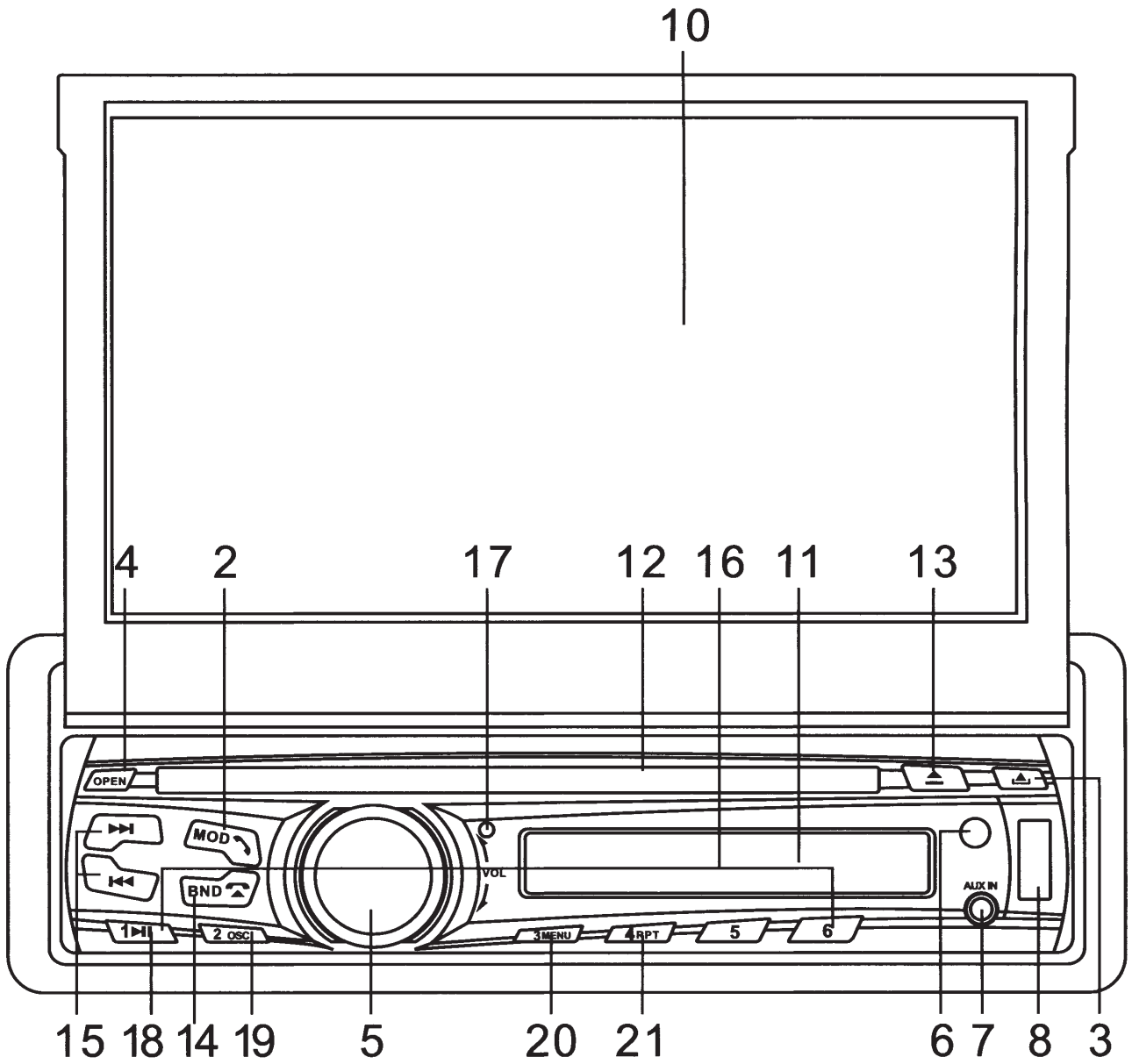
Remarks:




This drawing shows the full version of the unit and may not be available for connection on some versions. Refer to the exact functions and features of the unit for proper connection.




Due to the law of some countries, video playback is not allowed during driving.



Portion		Colour	Connection
Connecting Socket	POWER	Red	Ignition switch (B+)
		Black (Coarse)	Ground (B-)
		Black (Fine)	Steering wheel control (Ground)
		Yellow	Memory back up (B+)
		White	Front left speaker (+)
		White / Black	Front left speaker (-)
		Grey	Front right speaker (+)
		Grey / Black	Front right speaker (-)
		Green	Rear left speaker (+)
		Green / Black	Rear left speaker (-)
		Purple	Rear right speaker (+)
		Purple / Black	Rear right speaker (-)
		Blue	Auto antenna (B+)
		Pink	Back sight (B+)
		Grey	Steering wheel control (1)
Green	Steering wheel control (2)		
Orange	Illuminate backlight (B+)		
Brown	Brake (B-)		
Red RCA Jack	right speaker output		
White RCA Jack	Left speaker output		
	ANT		Radio antenna
Audio input jack	AUX-R	Red	Auxiliary right speaker input
	AUX-L	White	Auxiliary left speaker input
Video output jack	V-OUT	Yellow	Video output
Audio output jack	SW	Green	Sub-woofer output
Video input jack	R-CAM	Yellow	Back sight camera input
	V-IN	Yellow	Video input

MAIN UNIT OPERATION



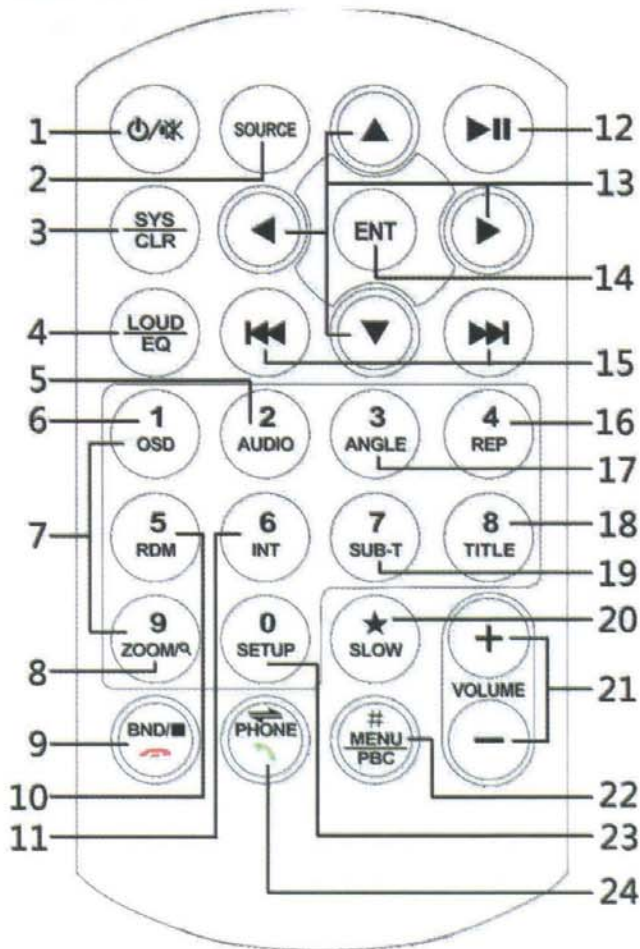
<u>No / Symbol / Function</u>	<u>Operations & Controls</u>
1. RES (RESET)	Press with a pointed object (such as a ballpoint pen) to reset the unit to its factory settings.
2.  (ON/OFF)	<u>Power On/Off</u> When the unit is turned off, press to turn the unit on. When the unit is turned on, press & to turn the unit off.
SRC	<u>Mode Selection</u> During unit operation, press repeatedly to select the desired mode for operation. <u>Bluetooth Mode</u>
3. 	Press to pick up an incoming call. Press to detach the front panel from the main unit for inserting an SD card and micro SD card (for GPS navigation). The detachable front panel is also for anti-theft security purposes.
4. OPEN / 	When the TFT screen is stored in its compartment, press to open the TFT screen. When the TFT screen is open, press repeatedly to adjust the angle for viewing. When the TFT screen is open, press & hold shortly to store the TFT screen to its compartment.
5. - VOL + SEL	<u>Volume Control</u> Rotate to adjust the sound output level. <u>Function Selector</u> During unit operation, press repeatedly to move to the following audio & visual control modes: ~ VOL (volume control) At VOL control mode, rotate SEL to adjust sound output level ~ DSP (bass & treble control) At DSP control mode, rotate SEL and press ►► / ◄◄ to adjust output on bass and treble ~ SOUND (balance & fader control) At SOUND control mode, rotate SEL and press ►► / ◄◄ to adjust balance between left & right speakers as well as output level of front & rear speakers ~ DISPLAY (brightness, chroma, contrast & sharpness control) At DISPLAY control mode, press ►► / ◄◄ to shift control through BRIGHT, CHROMA, CONTRAST & SHARP. When the desired mode is displayed, rotate SEL to adjust the setting. (Note: DISPLAY control not available under radio & Bluetooth operation mode)
6. IR	Remote control sensor (for signal reception from remote handset).

7. AUX IN Plug an external device to this port for output of that external device through the unit.
8. USB Insert USB device to this slot for digital files playback. (Note: The USB slot is intended for data transfer only)
Remark: When USB devices had been inserted both in the front & back USB slots, playback will only be made at the front USB device (available for unit with back side USB slot)
9. SD /  Insert an SD/MMC card to this port for digital files playback.
10. TFT Screen Shows the operation status of the unit. This screen is also a touch display – soft touch the screen for different operations of unit (for details, refer to other parts of this operation manual).
11. LCD Display Shows the operation status of the unit.
12. DISC SLOT Insert or remove disc from this disc slot.
13.  Press to eject disc from the disc slot (when a disc has been inserted).
14. BND Radio Mode
During unit operation, press to shift current operating mode to radio mode for operation.
At radio mode, press repeatedly to select the desired radio band for broadcasting.
Bluetooth Mode
Press to end a call or refuse an incoming call.
15.  Radio Mode – Manual Tune
Press repeatedly to fine tune the radio frequency upward or downward.
Radio Mode – Auto Seek
Press & hold shortly to tune the radio frequency upward or downward station for broadcasting.
Disc / USB / SD / iPod Input Mode – Select Tracks
Press repeatedly to shift track upward or downward for playback.
Disc / USB / SD/ iPod Input Mode – Fast Forward / Fast Rewind
Each time Press & hold shortly to activate various fast forward or fast rewind speeds for playback. (Note: In iPod input playback mode, fast forward or fast rewind mode just in one step only)
TV Mode – Channel Selection
Press to scroll TV channel upward or downward for broadcasting.
TV Mode – Auto Seek
Press and hold shortly to tune the TV frequency upward or downward and stop for broadcasting when a TV channel received.
BLUETOOTH Mode – Select Tracks
Press repeatedly to shift track upward or downward for music playback transmitted from mobile phone.

- 16. 1 – 6 In radio mode, press any one of the number keys 1 – 6 to select a station previously stored in the memory. Press the desired number key for several seconds, and the current station broadcasting will be stored into this number key.
- 17. MIC For voice reception under Bluetooth operation.
- 18.  In playback mode, press to start, pause or resume playback.
- 19. OSC In video & photo playback mode, press & hold shortly to display the contents of the currently playing sources on screen. (Note: Depends on the media files recorded, not all sources can be displayed)
- 20. MENU For Unit without GPS Navigation
Press & hold shortly to shift the current operating mode to the main menu for operation options.
For Unit with GPS Navigation
Press & hold shortly to shift the current operating mode to GPS navigation mode or from the GPS navigation mode to the previous operating mode.
- 21. RPT In playback mode and depends on playback device, press & hold shortly to select the desired repeat playback mode.
- 22. GPS /  (MICRO SD CARD) For Unit with GPS Navigation Only
Insert micro SD card installed with navigation software to this port for operation under GPS mode. (Note: GPS operation mode requires up to 4GB of space on microSD card.)

Note
Printing and symbols on the above drawing may vary from the exact main unit. Refer to the main unit for exact functions and features. User is recommended to use the touch screen controls to operate. Most of the functions cannot be operated by the main unit.

REMOTE HANDSET – GENERAL OPERATION








BATTERY REPLACEMENT

Refer to the back of remote handset for details on how to replace the battery.

<u>NO.</u>	<u>SYMBOL</u>	<u>OPERATION & CONTROL MODES</u>
1.		When the unit is turned off, press to turn the unit on. When the unit is on, press & hold shortly to turn the unit off .
2.		During unit operation, press to turn on or off sound mute control
3.	SOURCE	Press repeatedly to select the desired mode for operation.
4.	SYS / CLR	In BLUETOOTH mode, press to erase the digit input by error.
5.	EQ LOUD	Press repeatedly to select the desired preset equalization mode. Press & hold shortly to turn on or off loudness control.
6.	AUDIO	At video and music playback mode, each time press & hold shortly to select different audio output channels. (Note: Available on input device or media files recorded with different output channels and not available under BLUETOOTH mode)
7.	OSD	At media playback mode, press to display the contents of the playback details on screen. (Note: Not available at music playback mode)

7. 1 – 6 Radio Mode
Press any one of the number keys 1-6 to select a station that had been stored in the preset memory number key 1-6 for broadcasting. Press & hold shortly the number key 1-6 to store the current broadcasting frequency or station into the respective preset memory key number 1-6.
- 0 – 9 Disc / USB / SD / iPod Input Mode
Press directly to input the number of track for playback.
- BLUETOOTH Mode
Press directly to input the phone number for dial out.
- TV Mode
Press directly to input the number of channels that have been memorized for broadcasting.
8. ZOOM Disc / USB / SD Input Mode
At video & photo playback, each time press & hold shortly to select various zooming in and out of the screen for viewing.
- Q Radio Mode
Press to start scanning all the preset stations on memory and stop for a few seconds for broadcasting.
Press & hold shortly to start searching the frequency and storing the strongest signal stations into the preset memory stations (total 20 preset stations on each radio band). After storing the stations, the unit starts scanning all the preset stations on memory and stops for a few seconds for broadcasting.
- TV Mode
Press to start scanning all the preset channels on memory and stop for a few seconds for broadcasting.
9. BND Radio Mode
Press repeatedly to select the desired radio band for broadcasting.
- Disc / USB / SD Input Mode
At video playback mode under disc input, press to stop playback.
At music / photo playback mode under disc input and playback mode under USB / SD input, touch to stop playback temporarily and will resume normal playback after a few seconds.
- BLUETOOTH Mode
Press to hang up or refuse an incoming call.
10. RDM At disc / USB / SD input playback mode, press & hold shortly to turn on or off random playback of the input device
11. INT At music playback mode, press & hold shortly to turn on or off intro playback of the input device. (Note: Not available at BLUETOOTH mode)
12. ▶|| At disc / USB / SD / input & BLUETOOTH mode, press to pause, resume or start playback.

13.  DVD Mode
At DVD menu / title display mode, press to select the desired setting/setup and press ENT to confirm/enter.
Folder / Playlist Mode
During folder / playlist display at media playback mode, press to shift page up or down on playlist.
Photo Playback Mode
Press to rotate photo position or show up-down, left-right mirror image.
14. ENT DVD Mode
At DVD menu / title display mode, press  to select the desired setting/setup and press ENT to confirm/enter.
15.  Radio Mode
Press repeatedly to fine tune radio frequency Touch repeatedly upward and downward to fine tune radio frequency. Press & hold shortly to tune radio frequency to the upward or downward station for broadcasting.
Disc / USB / SD Input Mode (Playback Mode)
Press repeatedly to shift track upward or downward for playback. Press & hold shortly to activate fast forward or fast rewind mode. At this mode, press repeatedly to select various speeds of fast forward or fast rewind. (Note: Not available for operate at photo playback mode)
TV Mode
Press to shift TV channel upward or downward for broadcasting. Press & hold shortly to shift to the upward or downward channel for broadcasting.
16. REP At playback mode under disc / USB / SD input, each time press & hold shortly to activate various repeat playback settings.
17. ANGLE At video playback mode, each time press & hold shortly to view angle changes in sequential order (available on media files recorded with this features).
18. TITLE Radio Mode
Press to select stereo (ST) or mono mode at FM radio band. (Note: At stereo mode and when stereo signal received, stereo indicator appeared on screen whereas this is not indication for mono mode and mode signal received)
DVD Mode
Press & hold shortly to display the on-screen menu of the entire disc and resume playback after a while.

19. SUB-T Video Playback Mode
Each time press & hold shortly to select different subtitles that recorded in the input device or media files. (Note: Available on input device or media files recorded with subtitles)
Radio Mode
At FM radio band, press to select local setting for reception of strong signal stations and distant setting for reception of weak signal stations. (Note: LOC appears on screen on local setting whereas no indication for distant setting)
20. SLOW At video playback mode, press & hold shortly to select different speeds on slow motion playback.
21. VOL + / VOL - Press repeatedly or press & hold to adjust sound output level.
22. MENU / PBC DVD Mode
Press & hold shortly to display on screen the menu of the entire disc & resume playback after a while.
VCD Mode
Press & hold shortly to turn on or off PBC playback. At PBC on mode, this will start the sequence playback at the beginning.
23. SETUP During unit operation, press & hold shortly to activate setup menu on screen for various system setup. Press & hold shortly again to return to previous operation mode. (Note: System setup cannot be operated by remote handset. System setup can only be operated by touch screen – refer to ON SCREEN OPERATION for details)
24.  Bluetooth Mode
Press to pick up an incoming call; dial out after inputting a phone number; redial last dialed out number.
 / PHONE Press to shift conversation between main unit and mobile phone.

Remarks: Depending on the input devices & playback media files, operation may be varied or not available for operation.

ON SCREEN – MAIN MENU OPERATION



Touch the icon on the desired mode on screen and the unit will then enter into the mode that you selected for operation. Hold & slide on the lower portion of screen (input icons) to shift to other the **MAIN MENU** that shows the hidden input or operation icons.

1. Touch to start radio operation.
2. Touch to start disc input operation (when a disc inserted).
3. Touch to start USB input operation (when USB device inserted).
4. Touch to start SD card input operation (when a micro SD card inserted).
5. Touch to start auxiliary input operation (when an auxiliary device inserted).
6. Touch to start **BLUETOOTH** operation (when connected to a mobile phone).
7. Touch repeatedly for default wallpaper (background colour) setting.
8. Touch to activate audio & visual setting for various audio & visual setups.
9. Touch to turn off the screen. When the screen is turned off, touch any portion of the screen to turn the screen back on.
10. Touch to start various setting of the unit.
11. Touch to start Bluetooth operation (icon appeared when connected with mobile phone).
12. Touch repeatedly to select brightness of screen or turn off the screen. When the screen is off, touch any portion of the screen to turn the screen on again. Following preset brightness modes can be selected:



At this brightness mode, the brightness of screen is set by the user (user setting).

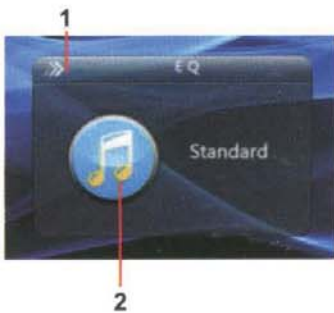
ON SCREEN – AUDIO & VISUAL SETTING

During operation, touch to activate audio & visual setting for various audio & visual setup.



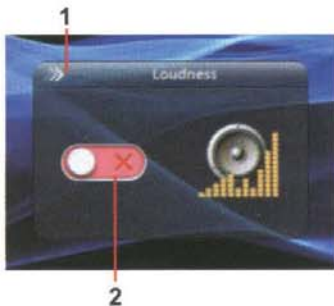
Volume Control

1. Touch to shift to next setting mode.
2. Touch to turn on or off of sound mute control.
3. Hold & slide to adjust sound output level.



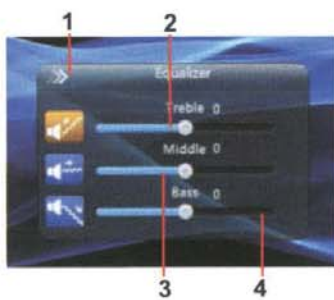
Preset Equalization Control

1. Touch to shift to next setting mode.
2. Touch repeatedly to select the desired equalization mode.



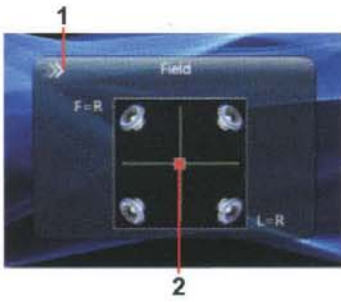
Loudness Control

1. Touch to shift to next setting mode.
2. Touch to adjust volume level.



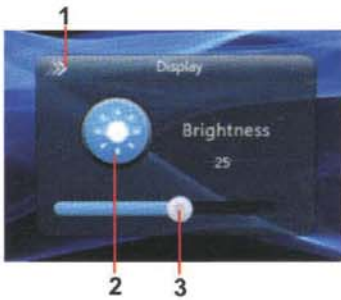
Bass & Treble Control

1. Touch to shift to next setting mode.
2. Hold & slide to adjust output level of treble.
3. Hold & slide to adjust output level on middle range.
4. Hold & slide to adjust output level on bass.



Balance & Fader Control

1. Touch to shift to next setting mode.
2. Hold & slide to set the output level on left / right / front / rear speaker.



Visual Control

1. Touch to shift to next setting mode.
2. Touch repeatedly to select the desired setting mode on brightness, contrast, hue, saturation and sharpness.
3. At the desired setting mode, hold & slide to adjust the level.

ON SCREEN – SETUP OPERATION

At **MAIN MENU**, touch 'SETUP' icon on screen to shift screen to **SETUP MENU** for various system setups.

SYSTEM SETUP

SYSTEM SETUP MENU



SYSTEM SETUP MENU



1. Touch to shift screen to **SYSTEM SETUP MENU** for various system settings.
2. Hold & slide to show the hidden setting modes.
3. Touch to activate the AREA INTERFACE to select the country or area located (for the radio frequency that suits the country or area).
4. Touch to activate the LANGUAGE INTERFACE to select the desired system language on screen.
5. Hold & slide to show the hidden setup modes.
6. Touch to turn on or off rear camera input (when rear camera and the pink wire is connected).
7. Touch to turn on or off headlamp detection of the car (when the orange wire is connected).

9. Touch to turn on or off sub-woofer output (when a sub-woofer connected).
10. Touch to turn on or off beep sound when touching on screen for control.
11. Touch to shift to previous operation mode.
12. Touch to turn off the screen. When the screen is turned off, touch any portion of the screen to turn the screen back on.
13. Touch to shift to Bluetooth mode for operation (available when a mobile phone connected).
14. Touch to shift screen to **MAIN MENU**.

AUDIO SETUP

AUDIO SETUP MENU





1. Touch to shift to **AUDIO SETUP MENU**.
2. Touch to activate **EQ MENU** for equalization settings.
3. Touch to activate **SURROUND MENU** for surround settings.
4. Touch to activate **BALANCE & FADER MENU** for sound output settings on balance & fader
5. Touch to turn on or off volume control.
6. Touch repeatedly to select the desired preset equalization mode.
7. Touch to activate "custom" control mode. At this mode, hold & slide to set desired equalization level.
8. Hold & slide to show the hidden setting modes.
9. Touch to select the desired surround mode.
10. Hold & slide to set the desired output level between left & right speaker as well as front & rear speaker.
11. Hold & slide to adjust the output level between left & right speaker.
12. Hold & slide to adjust the output level between front & rear speaker.
13. Touch to shift to previous page, touch twice to shift to previous operation mode.
14. Touch to turn off the screen. When the screen turned off, touch any portion of the to turn the screen back on.
15. Touch to shift to **BLUETOOTH** mode for **BLUETOOTH** operation.
16. Touch to shift screen to **MAIN MENU**.
17. Hold & slide to show the hidden setup modes.

VISUAL SETUP

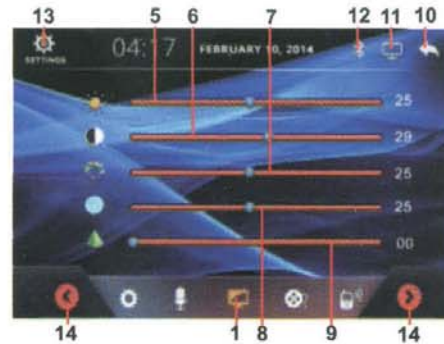
VISUAL SETUP MENU



PRESET VISUAL MENU



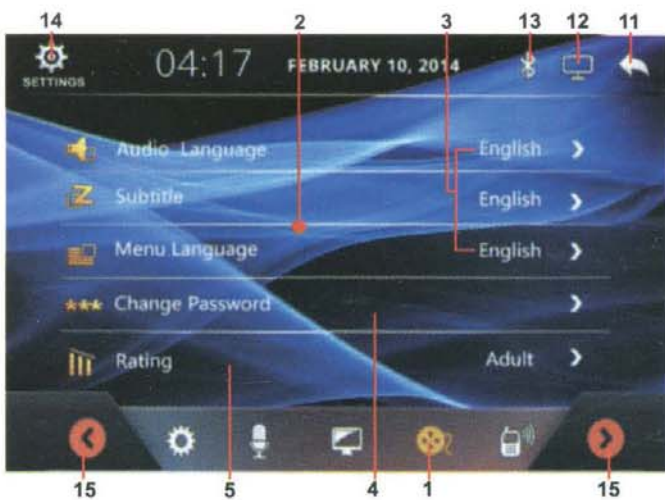
CUSTOM VISUAL MENU



1. Touch to shift to **VISUAL SETUP MENU**.
2. Touch to activate **PRESET VISUAL MENU** for preset visual setting.
3. Touch to activate **CUSTOM VISUAL MENU** for visual setting.
4. Touch to select the desired preset mode of screen.
5. Hold & slide to adjust brightness of screen.
6. Hold & slide to adjust contrast of screen.
7. Hold & slide to adjust hue of screen.
8. Hold & slide to adjust saturation of screen.
9. Hold & slide to adjust sharpness of screen.
10. Touch to shift to previous page, touch twice to shift to previous operation mode.
11. Touch to turn off the screen. When the screen is turned off, touch any portion of the screen to turn the screen back on.
12. Touch to shift to **BLUETOOTH** mode for **BLUETOOTH** operation.
13. Touch to shift screen to **MAIN MENU**.
14. Hold & slide to show the hidden setup modes.

MEDIA SETUP

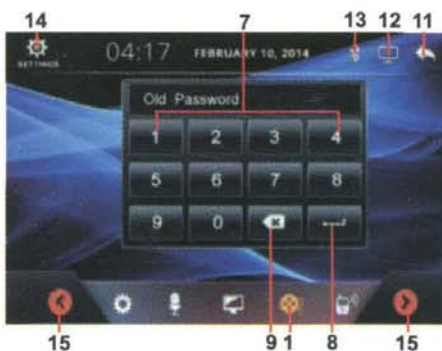
MEDIA SETUP MENU



MEDIA SETUP MENU



KEYBOARD MENU



SCREEN RATIO MENU

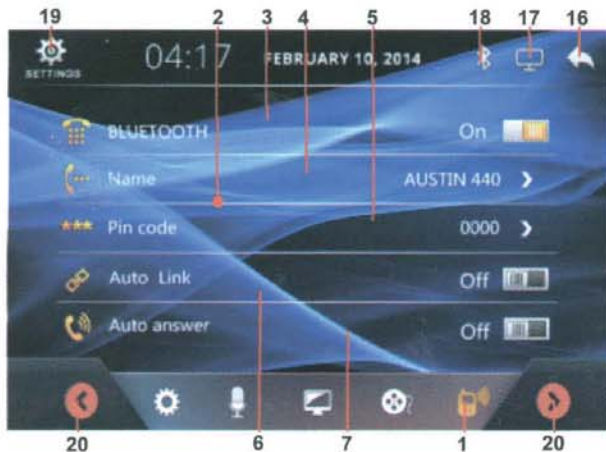


1. Touch to shift to **MEDIA SETUP MENU**
2. Hold & slide to show the hidden setting modes.
3. Before inserting a DVD for playback, touch to set the desired audio language, subtitle and menu language provided the DVD recorded with relative sources. (Note: Settings are not activated during DVD playback)
4. Touch to activate **KEYBOARD MENU** for password changing. (Default password "0000" or "8888")
5. Touch to activate **KEYBOARD MENU** to input password in order to select rating for video playback. (Default password "0000" or "8888")
6. Touch to activate **SCREEN RATIO MENU** to select aspect ratio of screen for viewing.
7. Touch to input number.
8. Touch to confirm the number input.
9. Touch to erase the digit input by error.
10. Touch to select aspect ratio of screen for viewing.
11. Touch to shift to previous page. Touch twice to shift to previous operation mode.
12. Touch to turn off the screen. When the screen is turned off, touch any portion of the screen, to turn the screen back on.
13. Touch to shift to **BLUETOOTH** mode for **BLUETOOTH** operation.
14. Touch to shift screen to **MAIN MENU**.

15. Hold & slide to show the hidden setup modes.
16. Touch to activate **KEYBOARD MENU** to input password and enter to the **REGION INTERFACE** to set for the DVD area code.(Default password "0000" or "8888")

BLUETOOTH SETUP

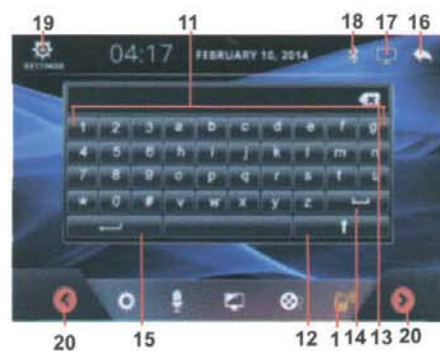
BLUETOOTH SETUP MENU



BLUETOOTH SETUP MENU



KEY BOARD MENU



PIN CODE MENU



1. Touch to shift to **BLUETOOTH SETUP MENU**.
2. Hold & slide to show the hidden setting modes.
3. Touch to turn on or off **BLUETOOTH** operation mode.
4. Touch to activate **KEYBOARD MENU** for renaming the device (default name "CAR-KIT"; "CAR BT" or similar).
5. Touch to activate **PIN CODE MENU** for changing the pin code of the device (default password "0000").
6. Touch to turn on or off auto linking between the car unit and mobile phone.
7. Touch to turn on or off auto answer when receiving incoming call.
8. Touch to turn on or off to allow recording of incoming calls / dial out calls / missing calls of the mobile phone to the car unit.
9. Touch to turn on or off to allow loading phone book of the mobile phone to the car unit.
10. Touch to turn on or off the default ring tone level for incoming call.
11. Touch to input the new name of the device and change of new pin code.
12. Touch to shift between uppercase or lowercase letters.
13. Touch to erase the digit / letter input by error.

14. Touch for spacing.
15. Touch to confirm the input.
16. Touch to shift to previous page, touch twice to shift to previous operation mode.
17. Touch to turn off the screen. When the screen is turned off, touch any portion of the screen to turn on the screen.
18. Touch to shift to **BLUETOOTH** mode for **BLUETOOTH** operation.
19. Touch to shift screen to **MAIN MENU**.
20. Hold & slide to show the hidden setup modes.

CALENDAR & CLOCK SETUP

CALENDAR SETUP MENU



TIME FORMAT MENU



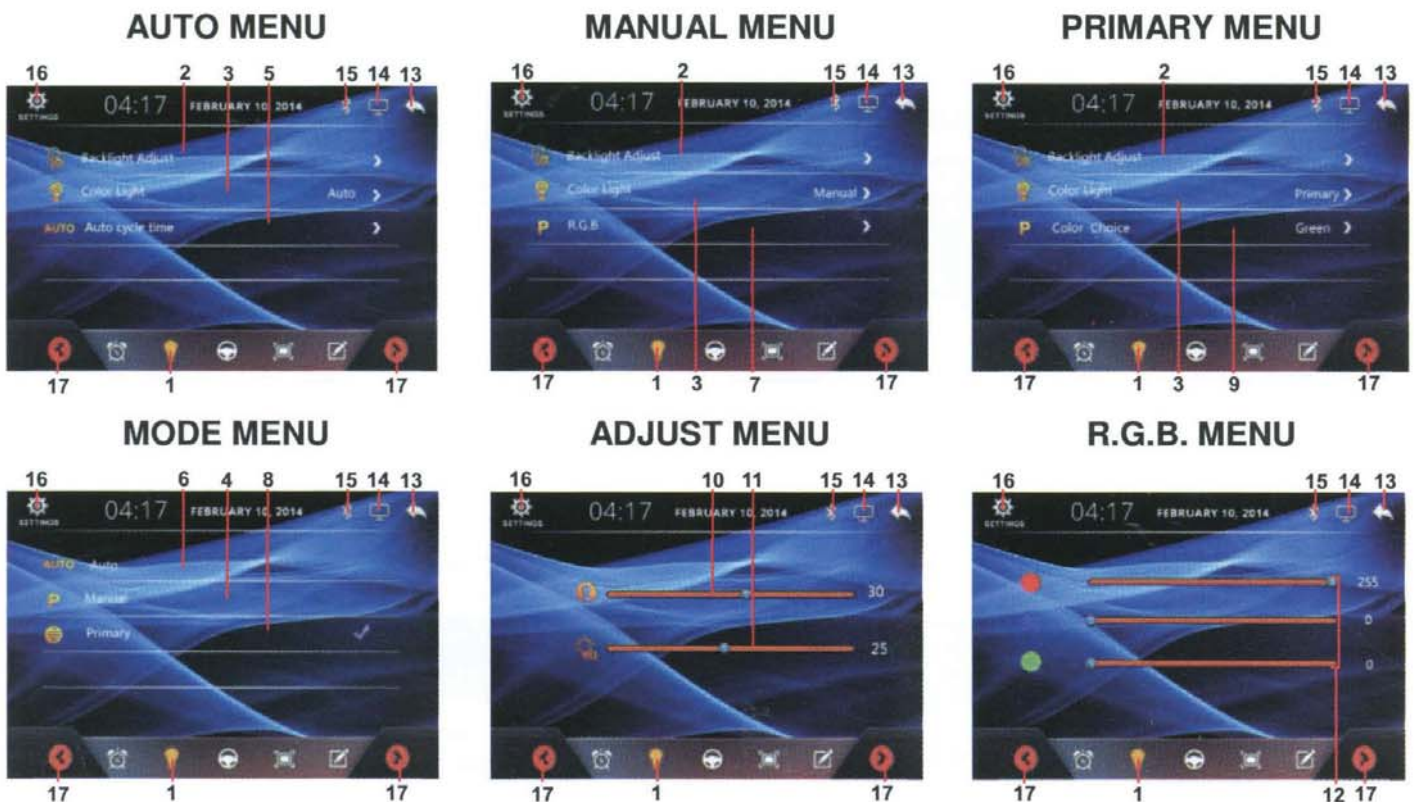
SETTING MENU



1. Touch to shift to **CALENDAR SETUP MENU**.
2. Touch to shift screen to **MAIN MENU**.
3. Touch to activate **TIME FORMAT MENU** for time format setting.
4. Touch to activate **SETTING MENU** for setting of calendar.
5. Touch to shift to **BLUETOOTH** mode for **BLUETOOTH** operation.

6. Touch to turn off the screen. When the screen is turned off, touch any portion of the screen to turn the screen back on.
7. Touch to shift to previous page, touch twice to shift to previous operation mode.
8. Touch to set the clock in 12 hour format.
9. Touch to set the clock in 24 hour format.
10. Touch respectively to set for year, month, date, hour & minute.
11. Hold & slide to show the hidden setup modes.

ILLUMINATION BACKLIGHT SETUP



1. Touch to shift to **AUTO MENU** / **MANUAL MENU** / **PRIMARY MENU**.
2. Touch to activate **ADJUST MENU** to adjust illumination backlight
3. Touch to activate **MODE MENU** to select illumination mode (auto / manual / primary).
4. Touch to select **MANUAL MODE** for R.G.B. colour setting.
5. When **AUTO MODE** selected, touch to activate **AUTO CYCLE TIME INTERFACE** to select the time for automatic backlight change.

6. Touch to select AUTO MODE for automatic backlight change.
7. When MANUAL MODE selected, touch to activate **R.G.B. MENU** for R/G/B adjustment.
8. Touch to select PRIMARY MODE to select a single colour illumination.
9. When PRIMARY MODE is selected, touch to activate COLOUR INTERFACE to select a single colour for illumination.
10. Hold & slide to set brightness of screen when brightness of screen is set at USER MODE
11. Hold & slide to set the headlamp brightness of the car (when the orange wire connected).
12. At **R.G.B. MENU**, hold & slide to adjust the desired R / G / B colour.
13. Touch to shift to previous page, touch twice to shift to previous operation mode.
14. Touch to turn off the screen. When the screen turned off, touch any portion of the screen to turn the screen back on.
15. Touch to shift to BLUETOOTH mode for BLUETOOTH operation.
16. Touch to shift screen to **MAIN MENU**.
17. Hold & slide to show the hidden setup modes.

STEERING WHEEL CONTROL SETUP

STEERING WHEEL CONTROL MENU



SWC SETTING MENU



1. Touch to shift to **STEERING WHEEL CONTROL MENU**.
2. Touch to turn on or off steering wheel control (when the steering wheel control wires – grey & green connected)
3. Touch to activate **SWC SETTING MENU** for setting up of steering wheel control.
4. Touch to select the function for setting.
5. Touch to erase the setting.
6. Touch to confirm the setting.
7. Touch to shift to previous page, touch twice to shift to previous operation mode.

8. Touch to turn off the screen. When the screen is turned off, touch any portion of the screen to turn the screen back on.
9. Touch to shift to **BLUETOOTH** mode for **BLUETOOTH** operation.
10. Touch to shift screen to **MAIN MENU**.
11. Hold & slide to show the hidden setup modes.

TOUCH SCREEN CALIBRATION SETUP

CALIBRATION MENU



1. Touch to shift to **CALIBRATION MENU**
2. Touch to activate the TOUCH MENU and start calibration of screen. Follow the instructions and touch on screen in order to complete the calibration.
3. Touch to shift to previous page, touch twice to shift to previous operation mode.
4. Touch to turn off the screen. When the screen is turned off, touch any portion of the screen to turn it back on.
5. Touch to shift to **BLUETOOTH** mode for **BLUETOOTH** operation.
6. Touch to shift screen to **MAIN MENU**

7. Hold & slide to show the hidden setup modes.

EX-FACTORY SETUP (For ex-factory setting only & not available for user setup)

EX-FACTORY SETUP MENU



1. Touch to shift to **EX-FACTORY SETUP MENU**.
2. Touch to shift to previous page, touch twice to shift to previous operation mode.
3. Touch to turn off the screen. When the screen turned off, touch any portion of the screen to turn the screen back on.
4. Touch to shift to **BLUETOOTH** mode for **BLUETOOTH** operation.
5. Touch to shift screen to **MAIN MENU**.
6. Hold & slide to show the hidden setup modes.

VERSION OF UNIT

VERSION MENU



1. Touch to shift to **VERSION MENU** to show the details of unit. This is not available for setting.
2. Touch to shift to previous page, touch twice to shift to previous operation mode.
3. Touch to turn off the screen. When the screen is turned off, touch any portion of the screen to turn the screen back on.
4. Touch to shift to **BLUETOOTH** mode for **BLUETOOTH** operation.
5. Touch to shift screen to **MAIN MENU**.
6. Hold & slide to show the hidden setup modes.

ON SCREEN – RADIO OPERATION

At **MAIN MENU**, touch “**RADIO**” icon to shift screen to **RADIO MENU** for radio operation.

RADIO MENU



RADIO MENU



RADIO MENU



1. Touch to start searching the radio frequency & storing the strongest signal stations into memory. After one cycle searched, the unit starts into broadcasting of the preset memory stations for a few seconds. Touch again to stop this intro broadcasting.

2. Touch repeatedly upward and downward to fine tune radio frequency.
3. Touch to tune the radio frequency to upward or downward station for broadcasting.
4. Touch to start intro broadcasting of the preset memory stations for a few seconds. Touch again to stop this intro broadcasting.
5. Touch to select stereo or mono mode at FM radio band. When stereo signal received, stereo indication will be appeared on screen and this is no indication for mono signal.
6. Touch to select local (LOC) setting for reception of strong signal stations and a distant setting for reception of weak stations at FM radio band. When local (LOC) setting is selected, LOC will appear on screen and this is no indication for distant setting.
7. Touch to activate the preset memory stations list on screen.
8. Hold & slide to select the radio frequency for broadcasting.
9. Touch the desired preset station number (any of 1-20) to start broadcasting of the selected station. Touch & hold shortly the preset station number can store the current broadcasting station (frequency) into that station number.
10. Touch to select FM & AM radio band for broadcasting.
11. Touch to turn off the screen. When the screen is off, touch any portion of the screen to turn it back on.
12. Touch to activate audio & visual setting for various audio & visual setups.
13. Touch to shift to BLUETOOTH mode for BLUETOOTH operation.
14. Touch to shift screen to **MAIN MENU**.
15. Touch to close the preset memory stations list on screen.
16. Hold & slide to show the hidden setup modes.

ON SCREEN – DISC / USB / SD CARD INPUT OPERATION

At **MAIN MENU**, touch “DISC” / “USB” / “CARD” icon on screen to shift to multi-media playback mode and playback will start automatically. Depending on the input device and playback media, the touch screen will show various playback menus for operation.

DVD (DISC) / VIDEO PLAYBACK MENU



DVD (DISC) / VIDEO PLAYBACK MENU



DVD (DISC) / VIDEO PLAYBACK MENU



MUSIC PLAYBACK MENU



MUSIC PLAYBACK MENU



MUSIC PLAYBACK MENU



MUSIC PLAYBACK MENU



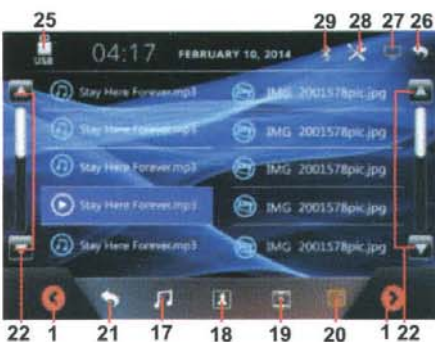
PHOTO PLAYBACK MENU



PHOTO PLAYBACK MENU



FOLDER PLAYLIST



PLAYLIST



KEYBOARD MENU



1. Hold & slide to show the hidden operation icons for operation.
2. At media playback, touch to activate **PLAYLIST / FOLDER PLAYLIST** (available for input device recorded with folder) to select folder / track for playback.
At DVD playback mode, touch to show the menu of the disc. (Note: Depended on the DVD input, this function may not be operated)
At VCD playback mode, touch to shift PBC on or off. At PBC on mode, touch to start the playback at the beginning in sequential order.
3. Touch to shift to next / previous track for playback.
At video playback mode, touch & hold shortly to activate fast forward / rewind mode. At this mode, touch repeatedly to select various speeds of fast forward / rewind.
4. Touch to start, pause or resume playback.

5. At video playback mode under disc input, touch to stop playback.
At music / photo playback mode under disc input and playback mode under USB / SD card input, touch to stop playback temporarily and resume normal playback after a few seconds.
6. Touch repeatedly to select repeat playback mode.
7. Touch to turn on or off random playback of the input device.
8. At DVD playback mode, touch repeatedly to view the angle changes in sequential order (available for video recorded with multi-angle senses).
9. At video & photo playback mode, touch repeatedly to zoom in and zoom out of the screen for viewing.
10. Touch repeatedly to select the audio output channels that are recorded in the device.
11. Touch repeatedly to select different subtitles that are recorded in the device.
12. Touch repeatedly to select different speeds of slow motion playback.
13. At DVD playback mode, touch to show the on-screen menu of the disc At VCD playback mode, touch to shift PBC on or off. At PBC on mode, touch to start the playback at the beginning in sequence order.
14. Touch to activate **KEYBOARD MENU** to input track number directly for playback
15. Hold & slide to select the position (time) for playback.
16. Hold & slide to select the position (time) for playback.
17. Touch to shift to **MUSIC FOLDER PLAYLIST / MUSIC PLAYLIST** to select music playback (when the playback device recorded with music files).
18. Touch to shift to **PHOTO FOLDER PLAYLIST / PHOTO PLAYLIST** to select photo playback (when the playback device recorded with photo files).
19. Touch to shift to **VIDEO FOLDER PLAYLIST / VIDEO PLAYLIST** to select video playback (when the playback device recorded with video files).
20. Touch to shift to **FOLDER PLAYLIST / PLAYLIST** to select desired folder / file for playback. To start playback touch selected file twice.
21. Touch to shift to previous **FOLDER PLAYLIST / PLAYLIST**.
22. Touch to shift page up / down.
23. Touch to erase the input digit.
24. Touch to confirm after input the number of track for playback.
25. Touch to shift screen to **MAIN MENU**.
26. Touch to shift back to **MUSIC PLAYBACK MENU**.
27. Touch to turn the screen off. When the screen is turned off, touch any portion of the screen to turn it back on.
28. Touch to activate audio & visual setting for various audio & visual setup.
29. Touch to shift to **BLUETOOTH** mode for **BLUETOOTH** operation.

ON SCREEN – BLUETOOTH OPERATION

At **MAIN MENU** and at other operation modes, touch “BT” icon on screen to shift to **BLUETOOTH** operation.

LINK UP WITH MOBILE PHONE

To linkup **BLUETOOTH** connection with the mobile phone, take your phone and follow the steps:

- set the mobile phone to **BLUETOOTH** state
- start to search for a new device
- after search, new device “CAR-KIT”, “CAR BT” or similar device will appear
- input default code “0000” or “8888” in the mobile phone
- at the same time, **BLUETOOTH** icon & **BT DEVICES MENU** will appear on screen
- connection succeeded and you can start using **BLUETOOTH** function

BT DEVICE MENU (NO CONNECTION)



BT DEVICE MENU (CONNECTED)



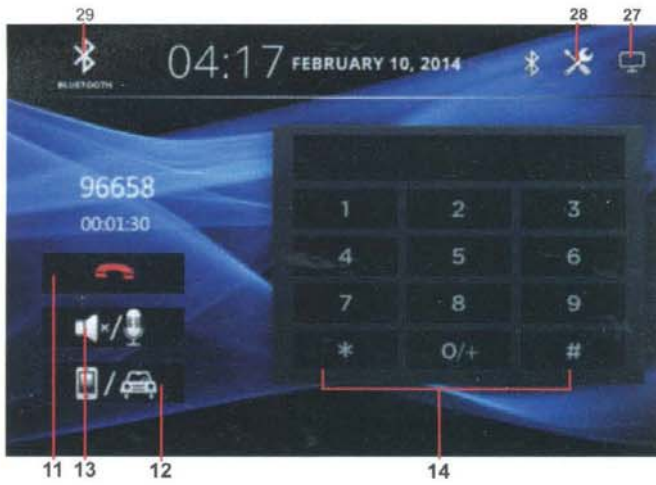
BT DIAL MENU



BT INCOMING CALL MENU



BT CONVERSATION MENU



BT RECORD MENU



BT PHONE BOOK MENU



BT PHONE BOOK MENU



BT MUSIC MENU



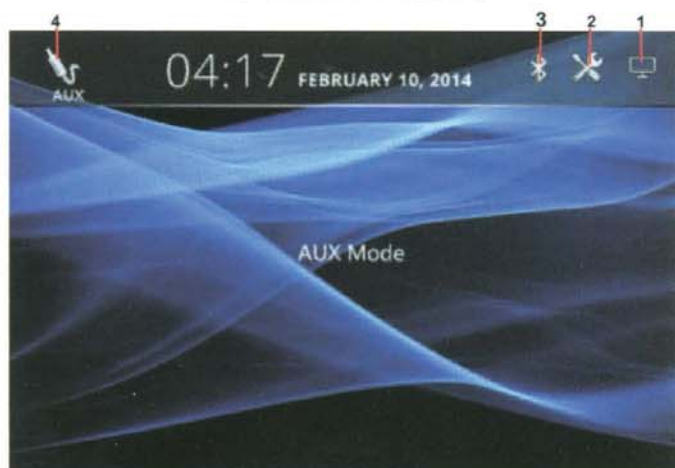
1. Touch to shift to **BT DEVICE MENU**.
2. Touch to activate **BT DIAL MENU**.
3. Touch to activate **BT RECORD MENU**.
4. Touch to activate **BT PHONE BOOK MENU**.
5. Touch to activate **BT MUSIC MENU**.
6. Touch to select the linked up device.
7. Touch to delete the linked up device
8. Touch to input phone number.
9. Touch to erase the digit input by error.
10. Touch to dial out.
11. Touch to hang up.
12. Touch to shift conversation between mobile phone & **BLUETOOTH** of the unit.
13. Touch to turn on or off sound muting of the microphone.
14. Touch to input digits (for conversation that needs to input data).
15. Touch to refuse an incoming call.
16. Touch to pick up an incoming call.
17. Touch to download incoming calls / dial out numbers / missing calls of the mobile phone to the unit.
18. Touch to show list of missing calls.
19. Touch to show list of dial out numbers.
20. Touch to show list of incoming calls.
21. Touch to shift page up and down.
22. Touch to download the phone book of the mobile phone to the unit.

23. Touch to activate or close the key board for phone book searching.
24. Touch to input details for phone book searching.
25. Touch to start / pause / resume music playback transmitted from the mobile phone.
26. Touch to select upward or downward track for playback.
27. Touch to turn the screen off. When the screen is turned off, touch any portion of the screen to turn it back on.
28. Touch to activate audio & visual setting for various audio & visual setups.
29. Touch to shift screen to **MAIN MENU**.

ON SCREEN – AUXILIARY INPUT OPERATION

At **MAIN MENU**, touch “AV IN” icon on screen to shift to auxiliary input operation (provided an auxiliary video device had been connected). At auxiliary input operation, touch any portion of screen to activate **AUX INPUT MENU** for operation.

AUX INPUT MENU



1. Touch to activate audio & visual setting for various audio & visual setups.
2. Touch to shift to **BLUETOOTH** mode for **BLUETOOTH** operation.
3. Touch to shift screen to **MAIN MENU**.

IMPORTANT NOTICE FOR ON SCREEN OPERATION

Interfaces, photos, images, icons & location as shown in this part of operation manual may be varied from the exact unit. However, all of them come with similar outlook of the same type and with the same operation method.

SPECIFICATION

GENERAL

Power Requirement: DC 12 Volts, negative ground
Load Impedance: 4 Ohms
Maximum Power Output: 40 watts x 4 channels

RADIO SECTION

Frequency Range:	AM Section		FM Section	
Area:	Frequency	Stepping	Frequency	Stepping
Europe	522 -1620 KHz	9 KHz	87.5 – 108 MHz	50 KHz
OIRT	522 – 1620 KHz	9 KHz	65 – 74 MHz	30 KHz
Australia	522 – 1710 KHz	9 KHz	87.5 – 108 MHz	100 KHz
Middle East	531 – 1602 KHz	9 KHz	87.5 – 108 MHz	100 KHz
America 1	530 – 1620 KHz	10 KHz	87.5 – 108 MHz	50 KHz
America 2	530 – 1620 KHz	10 KHz	87.5 – 107.9 MHz	100 KHz
America 3	530 – 1710 KHz	10 KHz	87.5 – 107.9 MHz	100 KHz
America 4	530 – 1710 KHz	10 KHz	87.5 – 108 MHz	50 KHz
Japan	522 – 1629KHz	9 KHz	76 – 90 MHz	50 KHz
Brazil	520 – 1710 KHz	10 KHz	87.5 – 108 MHz	100 KHz
China	522 – 1620 KHz	9 KHz	87.5 – 108 MHz	50 KHz
IF:	450 KHz		10.7 MHz	

DISC SECTION

Disc Play DVD / VCD / MP3 / CD / MP5
Mounting Angle +/- 30°

VIDEO

Video PAL / SECAM / NTSC
Video Output Level: 1.0Vp-p 75 Ohms
Horizontal Resolution: 500

BLUETOOTH SECTION

Communication type: V2.0
Maximum Distance: 5 meters

AUDIO SECTION

Maximum Output Level: 2 Vrms (+/-3 dB)
Frequency Response: 20 Hz to 20 KHz
Signal to Noise Ratio: 85 dB
Channel Separation: 80 dB

Note: Specification and design; functions and features; unit illumination; color and display segment are subject to change without prior notice. Photos and drawings on gift box or operation manual might be varied from the exact unit. Depending on the input devices, operation might be varied from the operation manual described.

SIMPLE TROUBLE SHOOTING

PROBLEMS, CAUSES & SOLUTIONS

No power

- Check and make sure the connecting wires are connected correctly
- Check whether the fuse is blown. Replace with the proper value fuse if necessary.

No sound

- Check and make sure the speaker wires are connected correctly.

No picture

- Check whether the video wire is connected to the video device.

Unit hang-up

- Press the RESET button to reset the unit to its default stage.

No function when pressing the buttons or TFT screen

- Press the RESET button to reset the unit to its default stage.

Poor effect or unable to receive radio

- Check whether the radio antenna is inserted or properly connected.
- Antenna may not be the proper length. Make sure the antenna is fully extended.
- Antenna may be poorly grounded. Check and make sure the antenna is properly grounded.

Stereo cannot be received under radio mode

- Tune the radio frequency accurately.
- The broadcasting signal is too weak, set the mode to MONO.

Disc inserted but cannot play

- Check whether the disc inserted upside down.
- Check whether the disc is dirty or badly cracked.
- Lens is dirty. Clean lens by using the lens clean disc.

Picture without colour or no sound under disc / TV mode

- Improper setting of colour system. Set again to "PAL", "SECAM" or "NTSC".
- The disc is dirty or damaged. Wipe the disc with a dry soft cloth or replace a new disc.

Abnormal moving, skipping or sound during playback

- The disc is dirty or damaged. Wipe the disc with a dry soft cloth or replace with a new disc.

Remote handset does not work

- Replace with a new battery of the remote handset.
- Point the remote handset directly at the remote sensor of the main unit.
- Clean the surface of the remote sensor.

BLUETOOTH not working

- Check to make sure the devices are linked up correctly.

Note

After attempting the above efforts, if the unit still cannot operate normally, consult your service dealer. Never attempt to disassemble the unit by yourself. No service part inside the unit.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following

- Reorient or relocate the receiving antenna.
- Increase the distance between the equipment and receiver
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.