

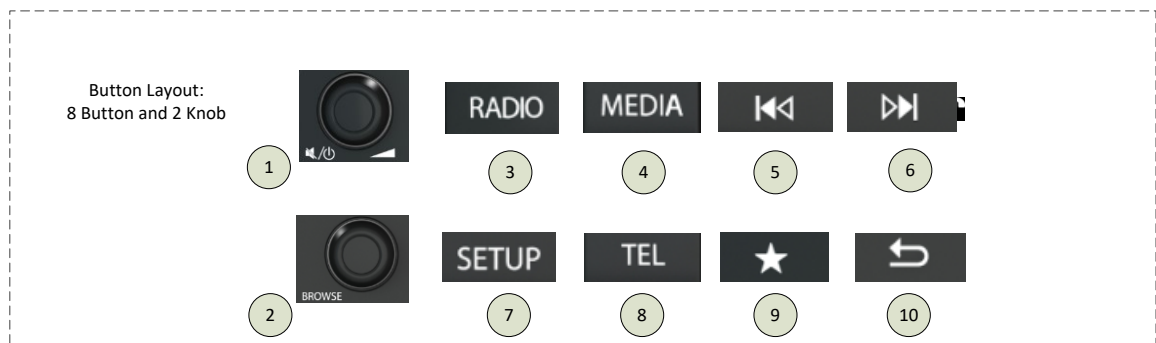
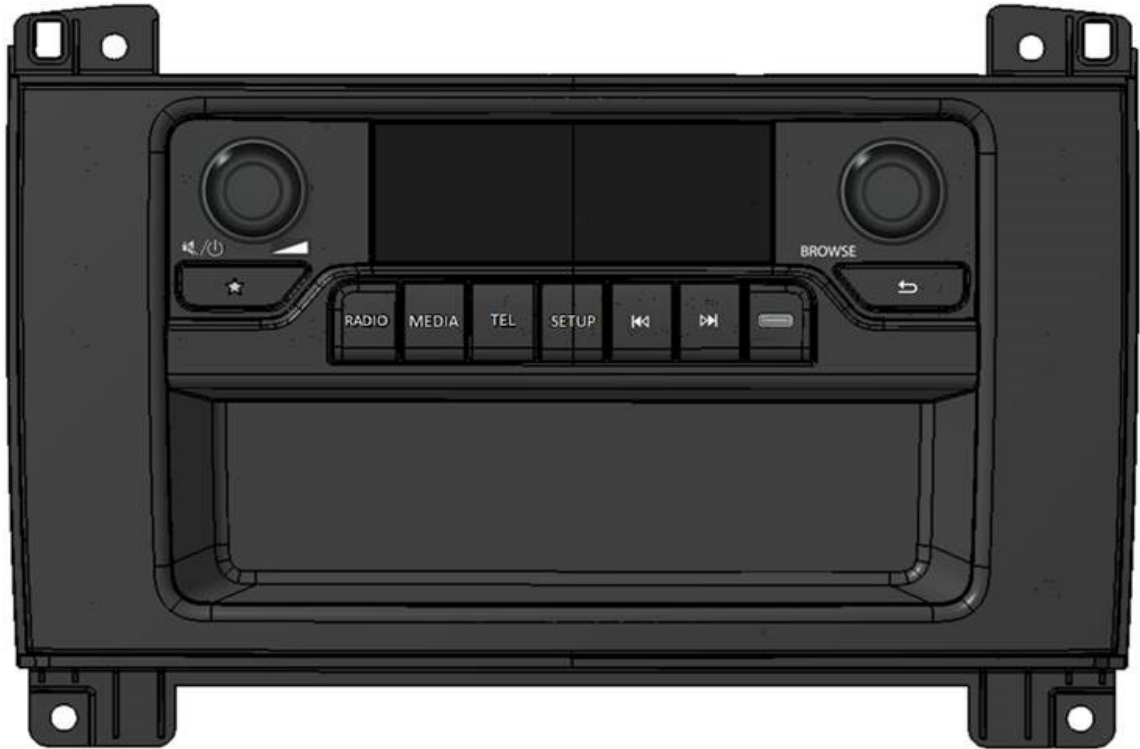
User Manual
VS20 Audio Control Software
Version: 1.0

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1. Button Function Description



① Power button/volume adjustment knob/mute button

- In OFF mode, press to power on the device.
- In ON mode, press and hold to power off the device.

device or enter TOD.

- Turn the knob to adjust the volume level.

②Confirm button/Browse knob

- In the Radio/Media Playback main interface, press or rotate the knob to enter the Browse menu.

- The confirmation function can be implemented under the submenu.

- Rotate the knob in the submenu to achieve menu content browsing.

③Radio button

- Press Radio to switch between FM, and AM

- Press and hold Radio to update the Station List

④Media audio switch

- Press Media to switch between USB and BT

⑤Rewind button

- In Tuner mode, press to automatically search for the previous station, press and hold to manually search for stations.

- In USB playback mode, BT Audio playback mode, and iPod mode, press to switch to the previous song, press and hold to rewind.

⑥Fast Forward button

- In Tuner mode, press to automatically search for the next station, press and hold to manually search for stations.

- In USB playback mode, BT Audio playback mode, and iPod mode, press to switch to the next song, press and hold to **fast-forward**.

⑦Setup button/Radio Text display/ID3 information display

- Press to enter/exit the Setup menu.

- In Tuner mode, press and hold to display FM Radio Text.

- In media audio mode, press and hold to display ID3 information.

⑧Phone menu/answering, rejecting and hanging up calls

- Press to answer a call, and press and hold to reject a call.

- Press to hang up a call.

- In Tuner/Media playback mode, press to enter the Phone menu, and press and hold to open the call list.

⑨Storing Station button

- In Tuner mode, press to open the Preset Station

List (1-10)

- In the Preset Station List, press to enter the selected preset station, press and hold to store the current station to the selected preset number (1-10).

⑩Return button

- In the Setup menu/Phone menu, press to return to the previous menu, press and hold to return to the main menu.

- In the Music List/Station List, press to return to the previous list, press and hold to return to the current main source interface.

2. Radio ON/OFF Control



Turn the radio on/off by pressing this knob

IGN_OFF/IGN_LOCK: Press to turn the radio on, press and hold to turn the radio off

IGN_ACC/IGN_ON/IGN_START: Press to mute the sound, press and hold to enter TOD

3. Radio Volume Control



After adjusting the volume of the radio by rotating the knob, the display will show the current volume setting

Turn the knob clockwise to increase the volume

Turn the knob counterclockwise to decrease the volume

4. Tuner OperationRadio operation

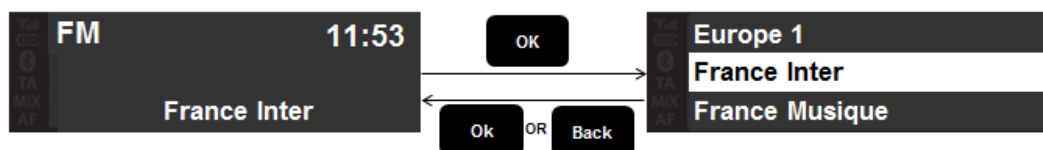
4.1 Band Selection

In other modes, press to switch to the radio mode, and the mode will cycle between FM ->AM.



4.2 Station List

In the FM main interface, press or rotate the button ②(Confirm/Browse) to enter the Station List. By pressing the Button List, the cursor will stay in the current station; by rotating the Button List counterclockwise/clockwise, the cursor will stay in the previous/next station of the current station.



Select the station you want to listen to by rotating the button②(Confirm/Browse), press the button

②(Confirm/Browse) or wait for five seconds to enter the selected station. When the Station List is browsed, press the Return button to go back to the listened station before entering the list.

After entering the Station List, rotate the button ② until the preset station is visible from its top. Select the preset station and press the button ②(Confirm/Browse) to listen to the preset station.

4.3 Preset Station List

At any frequency, press the ★ button to open the Preset Station List (1-10), select 1-10 in the list by rotating the button ②(Confirm/Browse), and then press the ★ button or the button ②(Confirm/Browse) to listen to the selected preset station.

4.4 Manually Storing Stations

At any frequency, press the ★ button to open the preset (preset list) interface of the current band, select the location to be stored by rotating the button ②(Confirm/Browse), and then press and hold the ★ button to manually store stations. There is a preset station number on the right side of the screen, and the numbers 1-10 corresponds to the corresponding station.



4.5 Automatically Searching for Stations



By pressing the Fast Forward or Rewind button, the radio will automatically search for the previous or next available stations. When a station with the required signal strength is found, the automatic search will stop and the radio will be played.

4.6 Manually Searching for Stations

By pressing and holding the Fast Forward or Rewind button, the radio will continue to manually perform a forward or backward search. When the button is released, the previous or next station with an appropriate strength will be found immediately and the radio will be played.

4.7 Radio Text Display

In FM listening mode, press and hold the SETUP button to display the current Radio Text of the station. The text will disappear after the station is switched.

5. External Audio Playback

5.1 USB/iPod Playback

5.1.1 Action after Insertion of USB/iPod

When the USB/iPod is inserted, the radio will switch to USB/iPod playback mode for automatic detection.

If a USB has never been played, it will be played automatically from the first song of the first folder. If a USB has been played, it will be played from the last playback position.

Please note that even if only the folder structure changes, USB will be recognized as a new device and will not be played from the last playback position.

If an iPod has never been played or is not in the Play/Pause state before connection, it will play from the first song automatically. If an iPod has been played and is in the Play/Pause state, it will automatically resume playback.

5.1.2 Prev/Next Button



Press the left and right arrow keys to select the previous or next track

If the playback time of the current track is more than 8 seconds, when the Prev button is pressed, playback starts from the beginning of the current track.

If the playback time of the current track is less than 8 seconds, when the Prev button is pressed, playback starts from the beginning of the previous track.

5.1.3 Fast Forward/Rewind button



Press and hold the left/right button to fast-forward/rewind a currently playing track. Release the button to cancel the Fast Forward/Rewind playback function.

During the fast forward or rewind playback, the display shows the current time progress.

5.1.4 Repeat/Shuffle Playback

Press the SETUP button to enter the Setup interface main menu, and then select "Audio Settings"->"Playback Mode" to enter the Playback Mode menu.

Select "Mix" and press the button ②(Confirm/Browse) several times to toggle between Mix-On/Off.

Select "Replay" and press the button ②(Confirm/Browse) several times to toggle between Replay-All/Single/Off.

After exiting the menu interface to return to the playback main interface, the corresponding Playback Mode icon will be displayed at the top of the screen.

5.2 Bluetooth Audio Playback

When the device supports Bluetooth audio transmission and is connected to the radio, press the MEDIA button repeatedly to switch to Bluetooth audio mode.

In Bluetooth audio playback mode, you can control the Bluetooth phone playback through the radio. For playback control, please refer to USB/iPod playback control steps.

5.3 Audio List Browsing

In the Audio Playback main interface, press or rotate the button ②(Confirm/Browse) to enter the Audio List. By pressing the Button List, the cursor will stay in the currently playing track; by rotating the Button List counterclockwise/clockwise, the cursor will stay in the previous/next item of the currently playing track.

Browse Operation:

Rotate the button ②(Confirm/Browse) to browse in the current directory;

Press the button ②(Confirm/Browse) to enter the playback interface of the selected track/the lower directory of the selected directory;

Press the Return button to return to the upper directory.

6. Bluetooth Phone

NOTE: Due to differences in Bluetooth phone models, the radio can not perfectly support some Bluetooth phones.

TEL

Press the TEL button to enter the Phone menu.

Bluetooth Status	Bluetooth Settings	
BT OFF	Phone Settings	Call volume
		Ringtone volume
	Bluetooth	On/Off
BT ON but not connected	Pair Device	
	Make Radio Visible	
	Phone Settings	
	Bluetooth	On/Off
BT ON and connected	Call list	Dialled Calls
		Received Calls
		Missed Calls
	Phonebook	
	Call number	
	Pair Device	
	Make Radio Visible	
	Sel. Device	
	Del. Device	
	Phone Settings	Call volume
		Ringtone volume
		Transfert phonebook
		Put on hold
Bluetooth	On/Off	

6.1 Bluetooth Settings

[Bluetooth]

The user can turn Bluetooth on/off in this menu item.

[Phone Settings]

The user can set the call and ringtone volume in this menu item.

[Transfert phonebook]

[Put on hold]

6.2 Pair/Connection

[Pair Device]

After clicking it, the in-car device will actively search for a Bluetooth device and pair with it.

[Make Radio Visible]

After clicking it, the user will be able to search for the radio name on the mobile app. After selecting it, the user can pair with it. If the user does not perform a pairing operation on the mobile app in 2 minutes in this menu, the radio will cancel the Make Radio Visible mode and prompt fail.

When the radio shows the password, the radio will be visible in 60 seconds, and you can click on the mobile app and the radio app (click on the Power button on the radio app) to pair a Bluetooth phone with the radio.

6.3 Device List

[Call list]

The user can view all incoming calls/received calls/missed calls.

[Phonebook]

The user can view the phone book downloaded from the Bluetooth device.

[Call number]

The user can make a call.

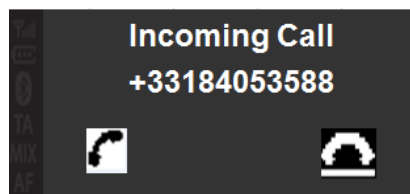
[Sel. Device]


The user can select the Bluetooth device.

[Del. Device]

The user can delete the connected device.

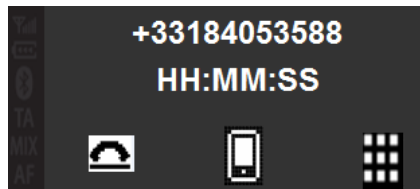
6.4 Incoming Call


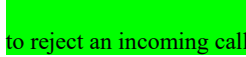



In the Incoming Call interface, the user can press the  button to answer an incoming call.


In the Incoming Call interface, the user can press the  button to reject an incoming call.

6.5 Call



During a Bluetooth phone call, the user can press the  button  to reject an incoming call.


During a Bluetooth phone call, the user can press the  button to switch between private mode and hands-free mode.

During a Bluetooth phone call, the user can press the  button to turn on the numeric keypad.

6.6 Simultaneous Calls



The user can receive a second call during a call, but only one call can be active at one time.

The user can switch between the first and second calls by rotating Up/Down on the  button.

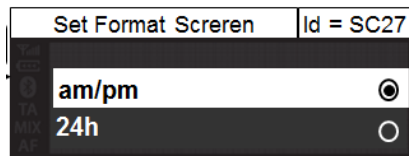
7. Setup Menu



Press the SETUP button to enter the Setup menu.

7.1 Clock Settings

After entering the Setup menu, select the Clock option to enter the Clock Settings menu to set the clock display format: am/pm or 24h.

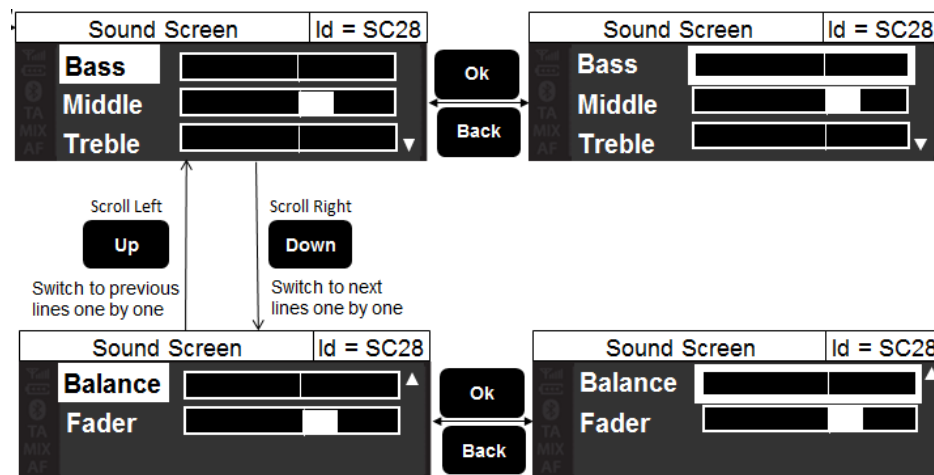


7.2 Audio Settings

After entering the Setup menu, select the Audio Settings option to enter the Wireless Settings menu. Enter the item or submenu to be set by rotating the button ②(Confirm/Browse).

7.2.1 Sound Settings

Sound settings include: Bass, Middle, Treble, Balance and Fader. Select the item to be set by rotating the button ②(Confirm/Browse), press the button ②(Confirm/Browse) to select it, and then adjust the sound value by rotating the button.



7.2.2 Reset Audio Settings

Confirm whether the Audio Settings are reset by pressing the button ②(Confirm/Browse). After the reset is confirmed, the Sound Settings in 7.2.1 are reset to the default values.

7.2.3 Playback Mode

Refer to 5.1.4 Repeat/Shuffle Playback for Playback Mode settings

7.3 Wireless Settings

After entering the Setup menu, select the Radio Settings option to enter the Wireless Settings menu. Enter the item or submenu to be set by rotating the button ②(Confirm/Browse).

7.2.1 TA On/Off

After entering the TA submenu, select to turn TA on or off by rotating the button ②(Confirm/Browse), and then press the button ② to confirm the selection.

7.2.2 Digital Announcement Type

After entering the Digital Announcement Type submenu, select the desired Announcement type according to your preference by rotating the button ②(Confirm/Browse), and then press the button ② to confirm the selection.

7.2.3 Digital Announcement Settings

After entering the Digital Announcement Type submenu, select the EPG/Intellitext settings by rotating the button ②(Confirm/Browse) to enter the corresponding submenu.

After entering the EPG/Intellitext submenu, select and enter the program you want to listen by rotating or pressing the button ②(Confirm/Browse).

7.2.4 Update Digital Announcement Station List

After selecting to update the Digital Announcement Station List, the radio will immediately begin updating the Digital Announcement Station List. Press the Return button to cancel the update.

7.4 Factory Settings

Check if the factory settings are restored by pressing the button ②(Confirm/Browse). After the factory settings are restored, the radio is restarted and all user settings are restored to the factory defaults.

8. Important Notes:

Please note that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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 measures:

- Reorient or relocate the receiving antenna.
- Increase the separation 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.

For USB devices, the radio only supports FAT and FAT32 partitions, does not support NTFS partitions, and can support up to 2,500 directories and 32,000 tracks at a directory depth of up to 8 levels.

The radio can support a variety of common Bluetooth phones, and may be incompatible with some Bluetooth phones due to differences in phones.

The reading and playback speed of the radio depends on the source directory structure. If the inserted USB device has a complex directory structure, the reading and playback speed may be slow.

For USB devices, the radio prompts "No audio files detected" if there are no files or no supported files.

Radio Frequency Bands:

BT: 2400~2483.5MHz

FM: 87.5-108.00MHz

AM: 531-1602KHz

Software Version: V3.3.1

Hardware Version: 17/19

Manufacturing Factory Information

Manufacture:

Yanfeng Visteon Automotive Electronics Co.,Ltd.

Address:

300 Minolta Road Songjiang County Shanghai, China

the Statement(s) of Intended and Foreseeable Use

Scope of user	People who have driving ability
Equipment-power supply	DC 13 V by vehicle
Environmental operated	In car use
Tolerance to dust and wet	IP X3
Mini and max temperatures	-40~85°C

Restrictions on putting into service

Ensure that this device can be operated in at least one-member state without infringing applicable requirements on use of radio spectrum.

Installation instruction

Since this device will not sales to consumer directly, but will to car manufactory. So we will not provide the installation instruction to consumer.

WARNING

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. Always stop the vehicle in a safe location before performing these functions. Failure to do so may result in an accident.

KEEP THE VOLUME AT A LEVEL WHERE YOU CAN STILL HEAR OUTSIDE NOISES WHILE DRIVING.

Excessive volume levels that obscure sounds such as emergency vehicle sirens or road warning signals (train crossings, 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 OR ALTER.

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