

Classic Car Stereo



**DAB DAB+ FM RDS USB
Bluetooth hands free & streaming
Aux in radio**

Part no. CR017 Classic 200 (Version 2)



Please read this manual before use

Audio Source selection	4
DAB / DAB+	5
FM Radio	5-6
Bluetooth music streaming	6
Bluetooth hands free mobile phone	7
Auxiliary input	7
USB	7
Installation	8-9
Mounting the radio	10
Diagnostics	11-12
Dimensioned drawing	13
Electrical connections	14

Audio Source selection

To turn the unit on press button number 1

To turn the unit off press button number 1 for 2 seconds

To adjust the volume (00 to 46) turn button number 1 clockwise to increase and anti clockwise to decrease the volume. Please note, every time you turn the unit on, the volume will default to volume level 17.

Pressing button number 1 will scroll between the clock display, bass, treble, balance, fader, sub woofer, loudness, equaliser, beep and 12/24 hour. After selecting/adjusting the setting, the unit will exit the selected mode after 5 seconds.

To adjust clock press button number 1 once to display clock then turn clockwise to increase minutes and anti clockwise to increase hours. The clock can be displayed in 12 or 24 hour mode. Alternatively, the clock will automatically set itself shortly after a radio station is selected.

To adjust the bass (-10 to +10) press button number 1 twice then turn clockwise to increase and anti clockwise to decrease

To adjust the treble (-10 to +10) press button number 1 three times then turn to increase and decrease as above

To adjust the balance (L10 to R 10) press button number 1 four times then turn to adjust the left to right volume (balance 00 is equal volume left and right)

To adjust the fader front to rear (F 10 to R 10) press button number 1 five times then turn to adjust front to rear volume levels. (fader 00 is equal volume front and rear)

To adjust the sub woofer volume (-10 to +10) press button number 1 six times then turn clockwise to increase and anti clockwise to decrease the sub woofer volume. (-10 is minimum and +10 is maximum volume) Please note you will require a separate sub woofer/amplifier for this function to work.

To adjust the loudness (on/off) press button number 1 seven times then turn to scroll on/off. When selected, "LD" will be shown in the display in BT music, aux in and USB.

To select the in built equaliser settings press button number 1 eight times then turn to scroll between the options (ie. flat, classical, pop, rock, off.) If you wish to adjust the bass/treble separately, you will need to turn the equaliser to the "off" setting.

To turn the beep on/off press button number 1 nine times then turn to scroll between on and off (with beep on there will be an audible beep through the speakers each time you operate a control on the unit.

To select 12 or 24 hour clock press button number 1 ten times then turn to scroll between 12 and 24 hour clock display. This can be done either before or after adjusting the time setting.

Please note the clock is only displayed for 5 seconds after pressing button number 1.

To select the mode, press button number 7 to scroll between dab/fm/bt music (USB if connected) and auxiliary input.

DAB /DAB +radio operation

To tune in the dab radio press button number 6, the display will show full scan then press and hold button number 6 for 2 seconds to start the station search. The display will show scanning and the number of stations found will be indicated on the top right of the display. Alternatively you can press and hold button 7 to scan.

The radio will then store all the stations that have been found in alphabetical order and begin playing the first station in that order.

To select a specific station, turn button number 7 either left or right repeatedly until the relevant station name is displayed. The display will show “playing” and will begin to play the station. If you are out of the station reception area or if the signal is too weak, the display will show “service not available”.

You can pre set up to four stations by firstly selecting the station then press and hold the pre set buttons numbers 2, 3, 4 or 5 for 2 seconds. The display will show “stored”. The pre sets can be over written at any time by repeating the procedure.

System, to perform a factory reset, select DAB then press button 6 briefly and then turn button 7 until the display shows <system>. Press and hold button 6 for 2 seconds, display shows <factory Reset>, press and hold button 6 again. The unit will revert back to factory settings and clear any settings and radio stations that have previously been stored in the memory.

To exit from any of the settings selected press button number 6 briefly or wait for 10 seconds.

FM radio

To tune in the FM radio select the FM mode, the display will show 87.5MHz (no radio Text). Press and hold button 7 thn the display will show “scanning” and will automatically set up to 18 preset stations into the memory.

To select any of the presets, turn button 7 to scroll through 1 to 18 or you can press buttons 2, 3, 4, 5, or 6 to select the first 5 presets. Please note, the radio may not necessarily find 18 stations depending on the reception area.

You can then set any of the FM stations to preset buttons 2, 3, 4, 5 and 6 by turning button 7 to select the required station, then press and hold the relevant preset button, the display will show that the station has been set by displaying “stored”. This will not alter any DAB stations that you may have previously stored.

Bluetooth

Manual tune, to manually tune an FM station, turn and hold button number 7 until the display shows “Manual” then release, now turning button 7 will manually tune up or down accordingly.

Two seconds after releasing button 7, the display will show “auto” and revert back to pre set selection mode.

If the station that you are listening to supports radio text, the transmitted information will scroll across the display at the bottom whilst showing the station name and pre set number across the top. If there is no radio text available or a weak signal, then the display will show “no Radio Text”

The FM scan can be performed at any time but please note that any previously stored stations will be replaced with those found during the new scan.

Bluetooth

The Classic 200 can play music from a Bluetooth music device or mobile phone.

Firstly you should pair the device in question by turning on Bluetooth in its menu and searching for the Classic 200. You should then select the device named Autosound and connect to it. If your device requests a pin number, enter **0000**.

Each time you turn on the Classic 200, your device should connect automatically, however, you should make sure that your device is set for automatic connection of Bluetooth devices.

The “BT” symbol will flash on the display until the device is connected then it will become static indicating there is a Bluetooth link. “BT” is not shown in DAB/FM mode. Depending on your device, the radio display may show “BT Talk” and mute the sound momentarily each time it connects.

You can now play your music via Bluetooth by selecting BT Music.

Turning button 7 anticlockwise will select the previous track and turning clockwise will select the next track.

Pressing button number 2 will pause the music and pressing it again will resume play. If your Bluetooth device is also a mobile phone, pressing button 3 will dial the last number, pressing again ends the call.

Mobile phone operation

To answer an incoming call press button number 3.

To end or reject a call press button number 2.

There is no option to select and dial other numbers from the Classic 200, this can only be done from your telephone handset.

The hands free volume can be adjusted by turning button number 1 during a telephone call. This will not affect the volume of the audio source that has been interrupted by the call.

Auxiliary unput

You can play music from a portable music device that has a headphone jack output.

Connect the device using a suitable cable to the red and white phono fly lead at the rear of the Classic 200 marked "Aux Input".

Select the aux in mode by pressing button number 7. You may need to increase or decrease the volume on your music device to achieve a volume equal to that of the radio etc.

USB mode

You can play music from a USB stick by connecting it to the fly lead at the rear of the unit marked USB.

The device will automatically recognise the USB and begin playing the music. The display will scroll between the track number / the total number of tracks / elapsed time of the track that is currently playing and the song title / artist / album title providing this information is available from the USB.

Next/previous track To select the next track, turn button 7 clockwise and anti clockwise to select the previous track.

To fast forward or fast rewind into a track, turn and hold button number 7 clockwise for forward and anti clockwise for backwards. Releasing the button will resume play at that point.

Pause Press button number 2 to pause and again to resume play.

Intro Scan Press button 3, the display will show "INT" then you will hear 10 seconds of each track. Press button 3 to resume normal operation.

Repeat Tracks Press button 4, the display shows "RPT". The track will be repeated until button 4 is pressed again.

Random play Press button 5, the display will show "RDM" and the tracks will now play in random order, press button 5 again to resume normal play.

Folder Selection Press button 6 to select folders. This will only work if the tracks have been stored in folders.

Installation

Installation

Before installing you Classic 200 please make sure that the radio will fit into the aperture provided by the vehicle manufacturer. If there is no radio aperture, we can supply our underdash tray that allows you to mount the radio below the dashboard/inside the glovebox. Also, make sure that the vehicle is negative earth, if not our positive earth adaptor part number CA002 will be required.

The spindles are set at a distance of 132 mm apart, however, they can be adjusted if necessary to align with pre cut holes in certain dashboards. To do this, remove the knobs, fascia and spindle nuts on the end of the spindle shafts. Next, slacken off the spindle nuts that secure the shafts to the radio body then carefully slide the spindles within the oval cut out in the radio to the appropriate distance apart then re-tighten the spindle nuts. Please note that you should only loosen the nuts to adjust the spindle spacing and not as part of the mounting process. The fascia has pre cut holes for the spindles and would need to be modified for the new spindle spacing. The spindles can be adjusted from 132 to 150 mm apart.

Fitting the DAB antenna

The antenna should be mounted towards the top of the windscreen and at least 4 centimeters (1 ½ inches) from any metal. It can be mounted vertically or horizontally, however, please bear in mind that you will need to run the cable from the window element to the radio.

Once satisfied with the position, thoroughly clean the area of glass in question and make sure it is clean and dry. It is advisable to warm the area before application in cold or damp conditions. Remove the brown backing paper from the element and stick the element to the window. Make sure it is stuck to the window correctly by pressing firmly.

Now run the cable to the radio aperture and screw the gold connector firmly to the corresponding connector on the radio marked DAB ant.

Power and speaker connections

ISO Connector A

Wire colour	Pin number	connect to
Black	A8	chassis/earth
Red	A7	+12 volt ignition/accessory
Yellow	A4	+12 volt permanent power supply
Blue	A5	Dab antenna (and FM antenna) if powered/electric.

ISO Connector B

Purple	B1	Right rear speaker positive
Purple/black	B2	Right rear speaker negative
Grey	B3	Right front speaker positive
Grey/black	B4	Right front speaker negative
White	B5	Left front speaker positive
White/black	B6	Left front speaker negative
Green	B7	Left rear speaker positive
Green/black	B8	Left rear speaker negative

If you have only two speakers then the un used speaker wires must be insulated separately and not connected. It does not matter whether you use the front or the rear speaker wires.

Any speakers that share a common connection/earth must be re wired separately otherwise damage may occur to the radio.

The radio is designed to operate either two or four speakers or a combination of our DVC (dual Voice Coil) speakers. It should not be connected to a single mono speaker on one channel.

The red accessory wire A7 may be connected to a permanent power supply along with the yellow A4 if there is no accessory position on your vehicle.

The accessory connection (red wire pin no A7) on your Classic 200 is protected with a 10 amp fuse located the rear case next to the wiring connector. We recommend fitting a separate 5 amp fuse in the permanent power supply (yellow wire pin no A4).

If the power supply to your Classic 200 is disconnected then any settings and radio stations that you have programmed will be retained.

Mounting the radio

Sub Woofer connection

The sub woofer line output connection is a green phono connector on a fly lead at the rear of the radio and will provide a line out signal for an optional sub woofer/ amplifier. The volume of the sub woofer can then be adjusted in the audio settings. (-10 to + 10) The sub woofer volume is not affected by the “fader” setting

Hands free microphone

The hands free microphone should be mounted in front of the driver either at the top or bottom of the windscreen pillar or on the dashboard in a convenient location. The cable should then be connected to the fly lead on the rear of the radio labelled “MIC” The optional sponge wind muff should be fitted if the microphone is fitted where it could be affected by draughts / wind. Typical scenarios would be in a soft top vehicle or near a heater vent / window opening.

Amplifier line output

The rear line output phono connectors are located on the rear case of the radio next to the FM aerial connector and provide an output for an optional amplifier. The volume of the line output is controlled with the speaker volume. The line output will also adjust via the fader along with the rear speaker outputs, however, you do not have to have any rear speakers connected for it to work. (there will be no line out volume if the front speakers only are selected via the fader).

Mounting the radio

To install the radio firstly remove the left and right buttons (numbers 1 and 7) by pulling them towards you. This will allow access to the spindle nuts and washers that can now be removed along with the front fascia panel. The radio can now be positioned in the aperture either from the front if the cut out is 180 x 53 mm or more, or from the rear if it is smaller. You may need to space the unit back in the dashboard by adding spindle nuts and/or washers to the spindles first so that there is the minimum of thread showing on the spindles once the front fascia is fitted. Once satisfied with the position make sure the radio is secure and re fit the front fascia, washers/nuts and buttons ensuring the radio is not loose. You may require additional fittings to secure the radio in some instances.

Ensure that the radio is fitted securely into it's mounting position and the wires are not likely to become trapped in any moving parts or cause an obstruction.

It is advisable to fit a rear support bracket using the m6 stud and nut on the back of the radio if there is suitable access to do this.

Diagnostics

Radio will not power up.

Check that there is 12 volts positive power on both the yellow and red wires (pins A4 and A7) and that there is a good earth (ground/chassis) connection on pin A8. Check that there is sufficient power in the vehicle battery. Check for loose/corroded connections in both the power and earth connections.

Radio powers up but no sound.

Make sure that there is no short circuit on any of the speakers and that they do not share a common negative or earth. Check that the speaker wiring is not cut or trapped anywhere, particularly into the doors, through grommets around metal etc.

Make sure that the fader control has not been adjusted (if only 2 speakers are connected).

Make sure the speakers are actually functional, particularly if they are a number of years old.

No/poor FM reception

Check that the antenna is fully extended and the connector is clean and pushed firmly into the radio socket.

Check for any damage to the aerial cable from cuts, sharp bends/kinks and that it is earthed to the bodywork correctly and that there is no short circuit or corrosion, particularly if exposed to the elements or is a number of years old.

If it is a powered antenna, check that there is power to energise the antenna circuitry/motor.

Radio reception is often better outside and away from buildings. Reception can be affected by some communications radio transmitters, mobile phone masts, power lines, fluorescent and LED lighting etc.

Try re tuning the radio.

No/poor DAB reception

Firstly check that you are in a DAB reception area. If in doubt check the DAB web site www.ukdigitalradio.com for further information on your area.

Make sure the aerial connection is connected to the radio fly lead correctly.

Reception is often better outside and away from buildings. DAB reception can be affected by some radio communications transmitters, mobile phone masts, power lines, fluorescent and LED lighting etc. Also, any device that charges a battery or that has a screen can also affect DAB signals such as Satellite navigation units, dash camera recorders, mobile phone chargers, USB adaptors etc.

Diagnostics

Try re tuning the radio.

Try a Factory Reset then re tune.

USB size/format

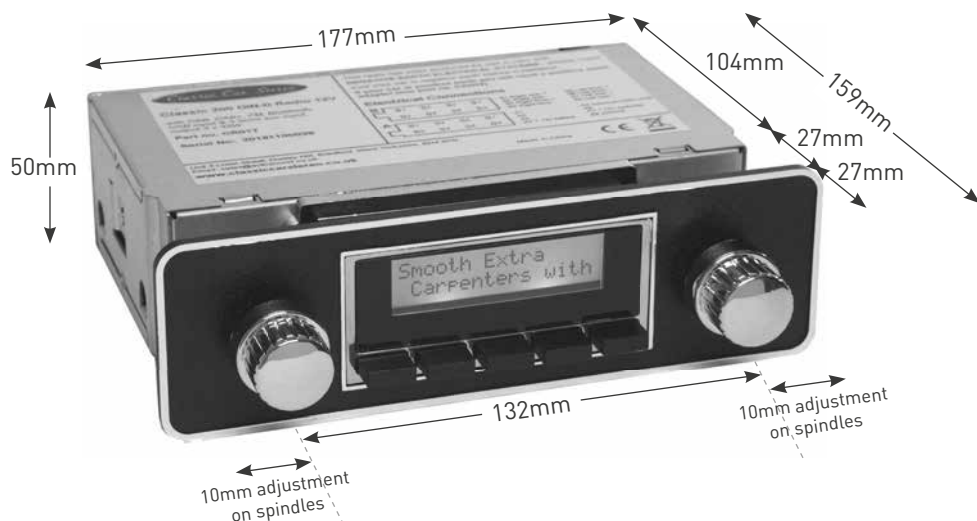
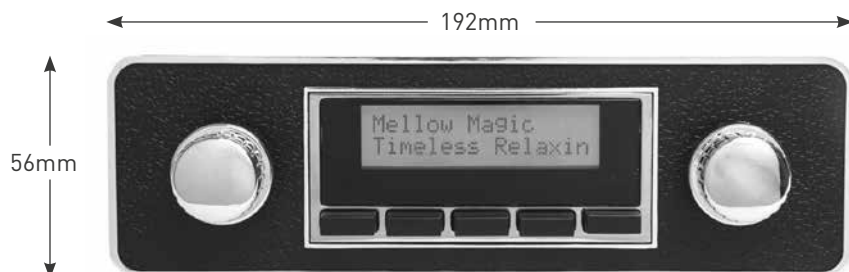
If your Classic 200 is not able to read your memory stick, please make sure that the files are in either Mp3 or WMA format, also, make sure that there are no other “non music” files that may affect the reading process.

Aux input

If there is no sound or low volume in aux mode, firstly try adjusting the volume on your device. Make sure that the cable is not faulty/damaged and that it is pushed firmly into both the device and the correct fly lead on the back of the Classic 200. The input is suitable for any device that uses portable headphones.



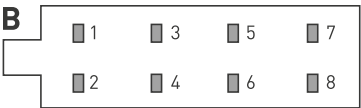
Dimensions



Electrical Connections

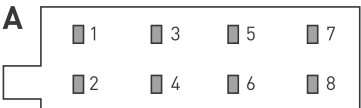
This radio has been produced for use in cars with **NEGATIVE EARTH ELECTRICAL SYSTEMS** – please make sure your car is negative earth before installation.

If your car is positive earth you will need a positive earth adaptor (our part no. CA002).



B1 Right rear +
B2 Right rear -
B3 Right front +
B4 Right front -

B5 Left front +
B6 Left front -
B7 Left rear +
B8 Left rear -



A1
A2
A3
A4 + 12v battery

A5 12v Powered Antenna
A6
A7 +12v switched
A8 Ground



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