AUTOWAVE® Bluetooth® Die Cast Series

AUTOWAVE® *Bluetooth*® Die Cast Series is the world's first official licensed collectable die cast model car series equipped with pioneering *Bluetooth*® wireless remote control technology. AUTOWAVE® offers intuitive remote control by your mobile phones via motion detection or keypad control. Driving this meticulously-made model car would definitely be the most privileged driving experience you can ever have.

"AUTOWAVE Car" Application

"AUTOWAVE Car" is the only mobile phone application designed for controlling AUTOWAVE® *Bluetooth*® Die Cast Series. Thanks to its on-board *Bluetooth*® specification platform, you can control your car models on iPhone®, iPod touch®, Android™ phones, BlackBerry® phones and Symbian™ phones*.

** Please see "Frequently Asked Questions" for the updated compatible Symbian™ phone list.*

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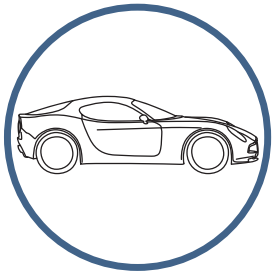
AUTOWAVE® Bluetooth® Die Cast Series

Specifications	
Scale	1:43
Transmission	Three-speed manual, real-wheel drive
Fuel	Li Polymer rechargable battery
Headlights/Rearlights	LED
Operating Range	Up to 10 meters
Running Time	about 30 mins
Bluetooth® Core Specification	3.0 + EDR
Compatible Devices for *AUTOWAVE Car* application	iPhone™ 3G, iPhone™ 3GS, iPhone™ 4, iPod™ Touch Android™ Phones (version 2.2 or above) BlackBerry® Phones (version 5.0 or above) Symbian™ Phones
Certifications	Bluetooth®, FCC, CE, RoHS

Packaging Content

- AUTOWAVE® *Bluetooth*® model car



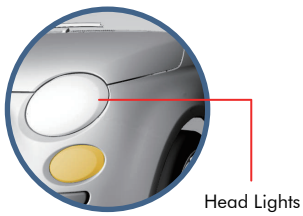
- Micro USB cable

- Owner's Manual

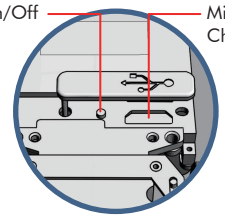
Unpackaging

To detach AUTOWAVE® model car from its plastic box, please use a screwdriver to unscrew.

AUTOWAVE® Bluetooth® Die Cast Model – Location of Control/Indication

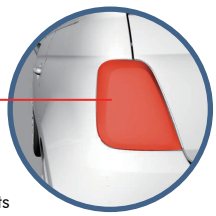


Head Lights



Power On/Off switch

Micro-USB Charging Slot



Tail Lights

Battery

It takes approximately an hour for the AUTOWAVE® model car to be fully charged. A fully charged AUTOWAVE® model car enjoys a running time up to 30 minutes.

Please charge up when your car is switched OFF for optimal battery maintenance.

The battery could be overcharged if left connected for an extended period of time, shortening the battery life. Do not charge the battery for more than two hours each time. Please note that AUTOWAVE® model cars should be charged ONLY with the USB cable provided in the original package. Please ensure that the battery is always charged with the recognized USB standard (5V/500mA).

Using AUTOWAVE® Bluetooth® Die Cast Series for the 1st Time

Step 1

Download the "AUTOWAVE Car" Application from Apple® App store, Android™ Market, BlackBerry® App World, or software download portal at www.autowave.com.hk for your corresponding devices.

Step 2

To turn on your model car, use a small piece of pin to press and hold the power on/off switch until red tail lights blink continuously. Your model car will enter the discoverable mode for Bluetooth® connection.

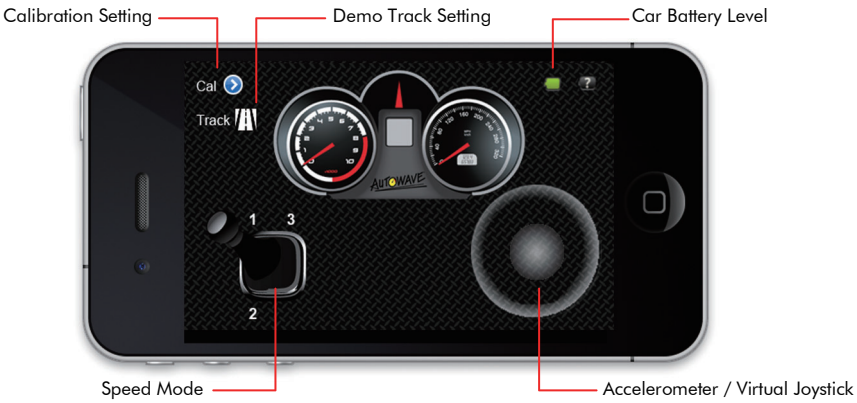
Step 3

Enable Bluetooth® on your mobile phones and search for your model car from your device, then select it.
e.g. Fiat 500

Step 4

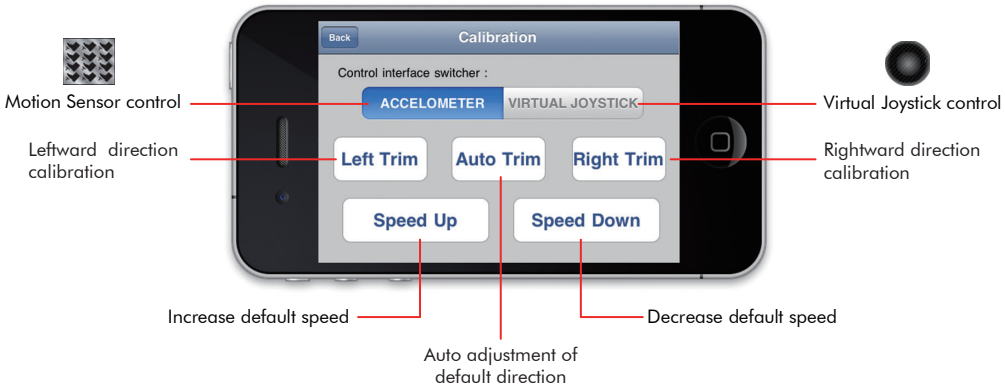
Input Bluetooth® Passcode "1234" if necessary.

"AUTOWAVE Car" Application – Main Screen (for iPhone®, iPod Touch®)



"AUTOWAVE Car" Application – Calibration Setting (for iPhone®, iPod Touch®)

When the Cal *button is selected in the main screen, you will find several calibration configuration settings for your own preference.*



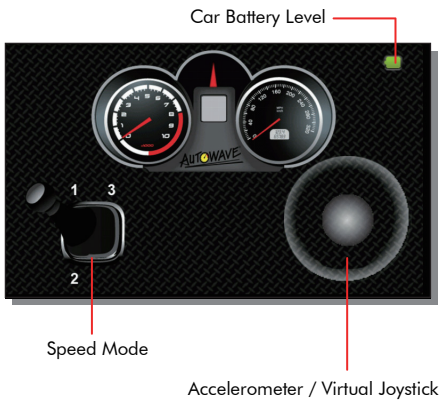
"AUTOWAVE Car" Application – Demo Track Setting (for iPhone®, iPod Touch®)

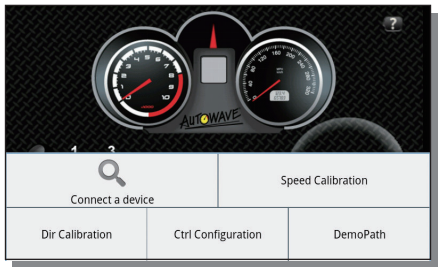
When the Track *button is selected in the main screen, you will find a list for pre-programmed operations so that your model car can move according to your preference.*

Scroll upward/ downward for different demo tracks

Select this after choosing the above demo tracks

"AUTOWAVE Car" Application – Main Screen (for Andriod™ platforms)

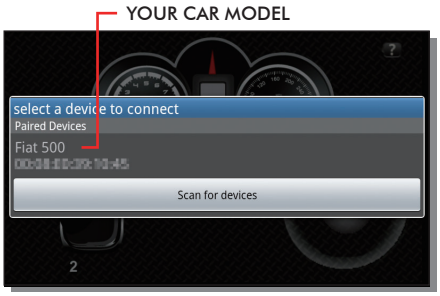




Press the menu button of your Android™ phones for a sub-menu for different configuration settings.
(See "AUTOWAVE Car" Application – Other Sub-menu Settings for Android™ platforms" for details)

"AUTOWAVE Car" Application – Sub-menu Screen (for Andriod™ platforms)

Device Connection (After turning on *Bluetooth*® feature and select your car model in the pairing list of your Android™ device)

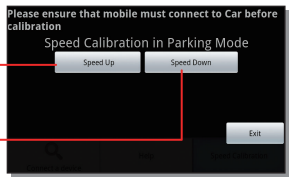


Select "Connect a Device" in the sub-menu of "AUTOWAVE Car" application. Search for your model car and select it.

"Connected to *your car model*" shall pop up in the main screen when connection is established.

"AUTOWAVE Car" Application – Other Sub-menu Screen (for Andriod™ platforms)

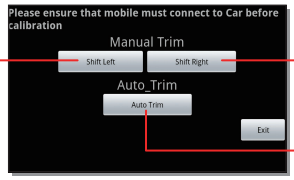
Speed Calibration



Increase default speed

Decrease default speed

Dir (Direction) Calibration

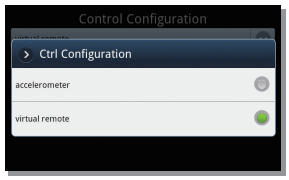


Leftward direction calibration

Rightward direction calibration

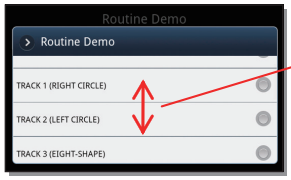
Auto direction calibration

Ctrl (Control) Configuration



Choose between "Accelerometer" and "Virtual Joystick"

Demo Path



Scroll upward/ downward for different demo tracks

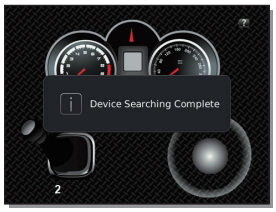
"AUTOWAVE Car" Application – Device Connection (for BlackBerry® platforms)

Switch on *Bluetooth*® feature on your BlackBerry® phone for device pairing.

STEP 1

"Device searching" pops up automatically when the "AUTOWAVE Car" application is open.

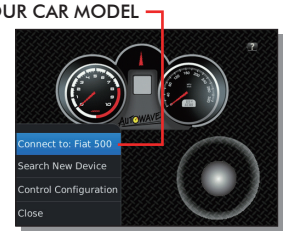
STEP 2



"Device searching complete" pops up when the device searching process is completed.

STEP 3

YOUR CAR MODEL



Press ⁂ and connect to *your car model*.

"AUTOWAVE Car" Application – Device Connection (for BlackBerry® platforms)

STEP 4

"Device Connecting" pops up automatically after your car model is chosen (see Step 3)

STEP 5a

"Car connected" shows up when *Bluetooth*® connection is successfully established.

STEP 5b

"Connection Failed" shows up when *Bluetooth*® connection is failed.

STEP 6

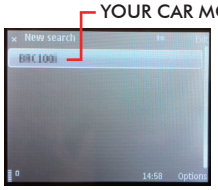
Press . Select "Search New Device " and restart the pairing procedure (see Step 3).

"AUTOWAVE Car" Application – Device Connection (for Symbian™ platforms)

Switch on *Bluetooth*® feature on your Symbian™ phone for device pairing and entering the "AUTOWAVE Car" Application.

STEP 1

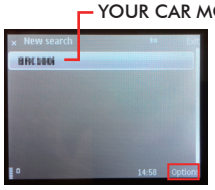
YOUR CAR MODEL



After accessing "AUTOWAVE Car" application and turning on your model, it will search for your model car automatically.

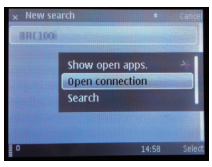
STEP 2

YOUR CAR MODEL



After your car model is searched, select "Option".

STEP 3

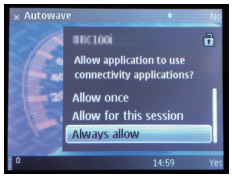


Select "Open Connection".

"AUTOWAVE Car" Application – Device Connection (for Symbian™ platforms)

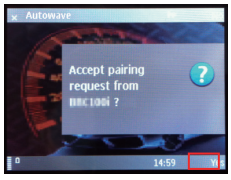
Switch on *Bluetooth*® feature on your Symbian™ phone for device pairing and accessing the "AUTOWAVE Car" Application.

STEP 4



Select "Always allow".

STEP 5



Select "Yes" to accept pairing request from "AutoWave Car" application.

STEP 6

Enter *Bluetooth*® Passcode "1234".

STEP 7

Bluetooth® connection is successfully established.

"AUTOWAVE Car" Application – Direction Control Settings

Direction Control	Motion Sensor	Virtual Joystick	Keypad BlackBerry®	Keypad Others
Forward	1. Press and hold 2. Tilt the device forward		QWERTY (e.g.Bold or Curve series) / QW-ER-TY (e.g. Pearl series) P	3
Backward	1. Press and hold 2. Tilt the device backward		Del / L	6
Leftward	1. Press and hold 2. Tilt the device leftward		7 - Min. turn 4 - Normal turn 1 - Max. turn	1 - Min. turn 4 - Normal turn 7 - Max. turn
Rightward	1. Press and hold 2. Tilt the device rightward		9 - Min. turn 6 - Normal turn 3 - Max. turn	2 - Min. turn 5 - Normal turn 8 - Max. turn

"AUTOWAVE Car" Application – Direction control setting (for all platforms)

If the model car tilts leftward or rightward when it moves forward, the owner can utilize the trimming function to gain your perfect experience.

- For **iPhone® and iPod Touch®** users, please select "Cal" in the main screen for more trimming options.
- For **Android®** phone users, please press the "Menu" button on your phone and select "Dir Calibration" on the sub-menu for more trimming options.
- For **Blackberry®** phone users, please press and select "Direction Trim" for more trimming options.

1/ Please select "Auto Trim". The model car will adjust its direction automatically.

2/ If you find that the model car still tilts leftward after using the "Auto Trim" function, please press "Right Trim/Shift Right" to fine-tune the direction back to central. The model car will respond by blinking the backlights. The backlights will not blink if the direction has been right-trimmed to its maximum level.

3/ If you find that the model car still tilts rightward after using the "Auto Trim" function, please press "Left Trim/Shift Left" to fine-tune the direction back to central. The model car will respond by blinking the headlights. The headlights will not blink if the direction has been left-trimmed to its maximum level.

"AUTOWAVE Car" Application – Speed Control Settings

	Speed Mode
	Parking Mode super slow speed for virtual parking experience
	Normal Mode normal speed for classical remote control enjoyment
	Turbo Mode fast speed for virtual driving excitement

"AUTOWAVE Car" Application – Speed mode (for all platforms)

If the owner would like to fine-tune the running speed of the model car, the owner can utilize the "Speed Up/Down" function to adjust for your favourite speed

- For **iPhone® and iPod Touch®** users, please select "Cal" on the main screen.
- For **Android®** phone users, please press the "Menu" button on your phone and select "Speed Calibration" in the sub-menu for more trimming options.
- For **Blackberry®** phone users, please press and select "Speed Calibration".

Press "Speed Up" to increase the speed. The model car will respond by blinking the headlights.
Headlights will not blink if the speed reaches the maximum level.

Press "Speed Down" to decrease the speed. The model car will respond by blinking the backlights.
Backlights will not blink if the speed reaches the minimum level.

Membership registration

To receive up-to-date information about AUTOWAVE® products, please visit and sign up at http://www.autowave.com.hk/. At the website of AUTOWAVE®, please click "Register" in the top right corner. Please input your personal information for membership registration.

Warranty registration

After your purchase of AUTOWAVE® products, please register online for warranty at http://www.autowave.com.hk/. Please log in and complete the warranty registration form in the User Centre. Please ensure you retain your receipt and your guarantee card for this purpose

FREQUENTLY ASKED QUESTIONS

Q. My model car does not move when I connect and pair to my cell phone?
A. Please ensure you have turned on *Bluetooth*® connectivity in your cell phone.
A. Please ensure your AUTOWAVE® *Bluetooth*® car is charged and switched on.
A. Please ensure your mobile phone is connected with your AUTOWAVE® *Bluetooth*® die cast car.

Q. Is my device compatible with AUTOWAVE® *Bluetooth*® Die Cast Series?
A. iPhone® 3G / 3GS / 4, iPod touch®,
Android™ phones (version 2.2 or above),
BlackBerry® phones (OS version 5.0 or above),
and *Bluetooth*® enabled Symbian™ phones are all compatible.
Please get the latest compatible device list at *www.autowave.com.hk*

Q. What else?
A. Visit *www.autowave.com.hk/support* for a more detailed user manual where answers to common problems that you may encounter and all relevant safety and compliance information are available.

LIMITED WARRANTY STATEMENT

Without prejudice to any applicable statutory warranty, AutoOcar Limited warrants that the AUTOWAVE® *Bluetooth*® Die Cast Series (the "Product") will be free from defects in material and workmanship for a period of 12-months from the initial date of purchase (excluding consumables which are warranted during 6 months from the initial date of purchase) upon the presentation of proof of purchase to the retailer or to AutoOcar Limited (including the date and place of purchase, product serial number). During the contractual warranty period, any defective Product should be returned in its original packaging to the retailer's or AutoOcar Limited for after-sales service. After inspection of the product, AutoOcar Limited will, at its sole discretion, either repair or replace the defective part or product, excluding any other indemnification of any nature.

THIS LIMITED WARRANTY SHALL NOT APPLY IF:

a) the Product serial number label placed below the model car has been removed, erased, defaced, altered or is illegible; or
b) deterioration of the Product due to normal wear and tear; or
c) use other than in accordance with the owner's manual, rough handling, unauthorized modifications or connections, unauthorized opening or repair, repair by use of unauthorized spare parts, or
d) defects caused by exposure to moisture, dampness or extreme thermal or environmental conditions or a rapid change in such conditions, corrosion, oxidation, accidents, forces of nature, or other actions beyond the reasonable control of AutoOcar Limited unless the defect was caused directly by defects in materials or workmanship. This Limited Warranty does not cover physical damage to the surface of the Product; or
e) defects caused by the fact that the battery has been short-circuited, tampered or used for unintended purpose or by the fact that the cells are broken, unless the battery is proven faulty on the initial date of purchase; or
f) defects caused by the fact that the Product was used with or connected to an accessory not approved or provided by AutoOcar Limited, or used in other than its intended use and where it can be shown by AutoOcar Limited that such defect is not the fault of the Product itself.

In the event of product failure, the Customer should take the following actions:

a) Refer to the owner's manual in order to identify and possibly correct the problem.

b) If the problem cannot be resolved with reference to the owner's manual the Customer should then contact the dealer where such Product was purchased or visit www.autowave.com.hk for further information.

c) Before contacting AutoOcar Limited service agent, please ensure the following information is in hand:
   - The model and serial number of the Product.
   - The Customer's full address and contact information.
   - A copy of the Customers original invoice, receipt or bill of sale of the purchase of the Product.

AutoOcar Limited will provide the Customer with instructions regarding how and when the defective Product should be returned. AutoOcar Limited will pay costs incurred for the return of the defective product to AutoOcar Limited and the delivery of the repaired Product back to the Customer if the Warranty Period of the defective Product has not expired.

This Limited warranty statement has been translated into various languages. Should there be any inconsistency or ambiguity between the English version and other versions, the English version shall prevail.

AutoOcar Limited reserves the final descision making rights in case of disputes.

For more information and support, please refer to AUTOWAVE® webpage at http://www.autowave.com.hk

SAFETY INFORMATION

TRADEMARK

All rights reserved. The AUTOWAVE trademarks are the sole and exclusive property of AutoOcar Limited. Any other trademarks or names used in AUTOWAVE documentation are copyright protected and are the sole and exclusive property of their respective owners.

***BLUETOOTH*® WIRELESS TECHNOLOGY**

The *Bluetooth*® word mark and logos are owned by the Bluetooth SIG, Inc. and any use of such marks by AutoOcar Limited is under license. Other trademarks and trade names are those of their respective owners.

FCC COMPLAINCE STATEMENT

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

CORRECT DISPOSAL OF THIS PRODUCT

This marking shown on the product or its literature, indicates that it should not be disposed with other household wastes at the end of its working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please, separate this from other types of wastes and recycle it responsibly to promote the sustainable reuse of material resources. Household users should contact either the retailer where they purchased this product, or their local government office. Business users should contact their supplier and refer to the terms and conditions of the purchase contract. This product should not be mixed with other commercial wastes for disposal.

FCC ID:XQN-BRC100I

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iPhone and iPod touch are trademarks of Apple Inc., registered in the U.S. and other countries.
"Made for iPod" and "Made for iPhone" mean that an electronic accessory has been designed to connect specifically to iPod or iPhone respectively, and has been certified by the developer to meet Apple performance standards. Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards. Please note that the use of this accessory with iPod or iPhone may affect wireless performance.

Bluetooth is a trademark owned by Bluetooth SIG Inc. and is used under license.

Android is a trademark of Google Inc.

BlackBerry and related trademarks, names and logos are the property of Research In Motion Limited and are registered and/or used in the U.S. and countries around the world.

AUTOWAVE®

1:43 *Bluetooth*® R/C Die Cast Model Car

BRC100i

Owner's Manual