

⚠ WARNING

The SeecodeWheel should only be used in such ways, that you still have a good view of your speedometer.

NOTE

The SeecodeWheel can be mounted at the top of the bottom of your wheel. Therefore the display can be inverted over the menu.

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1 preface

Please read this manual carefully to familiarized with your SeecodeWheel and be able to use its functions properly.

1.1 informations about this manual

This manual is part of the SeecodeWheel (called unit in the following) and gives you important hints for the setting up, usage and caretaking of the unit.

Please give the manual together with the unit to the subsequent owner if you sell the unit.

1.2 warnings

In this manual the following warnings will be used:

⚠ WARNING

A warning of this class classify a probably dangerous situation.

If you don't avoid such situation, serious injuries can be the result.

► Follow these warnings to avoid injuries to peoples.

ATTENTION

A warning of this class classify a possible damage to property.

If you don't avoid such situations damage to property can be the resulted.

► Follow these warnings to avoid damage to property.

NOTE

A note classify additional Tips that can make the usage of the unit easier.

1.3 Corporate veil

All specifications, hints for the installation, usage and caretaking in this manual comply with our actual knowledge at the time of printing and have been made in consideration of our experience and knowledge.

Defectives will not be covered by warranty if resulting from:

- Non-observance of this manual
- Improper usage
- Repairs not made by us
- Technical modifications
- Usage of not approved accessoires

1.4 Copyright protection

Without written permission from us any reproduction, transfer, distribution or storage of parts or all of the content in this document in any form is strictly forbidden.

We reserve the rights to make any changes and improvements to this document or the product without prior notice.

2 safety

In this chapter you will receive important safety tips for the usage of the unit. The unit fulfils all relevant safety regulations.

2.1 Intended usage

The unit is made for the usage as handsfree unit in the car. Any other usages will be not intended usages.

We cannot be held liable for any defects resulting of improper usages.

2.2 General warnings

Please take care of the following points for a safe usage:

- ▶ Control the unit before usage for visible damages. Don't use a damaged unit.
- ▶ Repair must be made from qualified technicians who are qualified by us.
- ▶ If a repair during the warranty period is not made by an authorized technician all warranty claims will be null and void
- ▶ Defective accessories must be exchanged with original ones approved by us. Only these parts fulfil all relevant safety regulations.

3 transport and packing

In this chapter you will receive important tips for the transport and packing of the unit. Please follow this Tips to avoid dangers and damages.

3.1 warnings

⚠ WARNING

- ▶ Packing materials are not allowed for usage as play toys
There is the risk of suffocation

3.2 accessoires and transport inspection

provided accessoires are :

- handsfree unit SeecodeWheel
- Torx-screwdriver
- cap for the mountingscrew
- car charger
- wide angle lens with holder
- user manual

NOTE

- ▶ Check the package for its completeness and visible damages..

3.3 Disposal of the packing

The packing shield the unit from damages during transport. The packing materials are made of ecological materials and are fully recyclable.



Recycling helps to support avoiding unnecessary trash. Please dispose the packing at the collection point for the recycle system »Grüner Punkt«.

NOTE

- ▶ Please store the packing during the warranty period, so that you can send it to us in the original packing in case of warranty.

4 configuration and functions

In this chapter you will receive important tips for the configuration and usage of the unit.
Please follow these Tips to avoid dangers and damages.

4.1 general

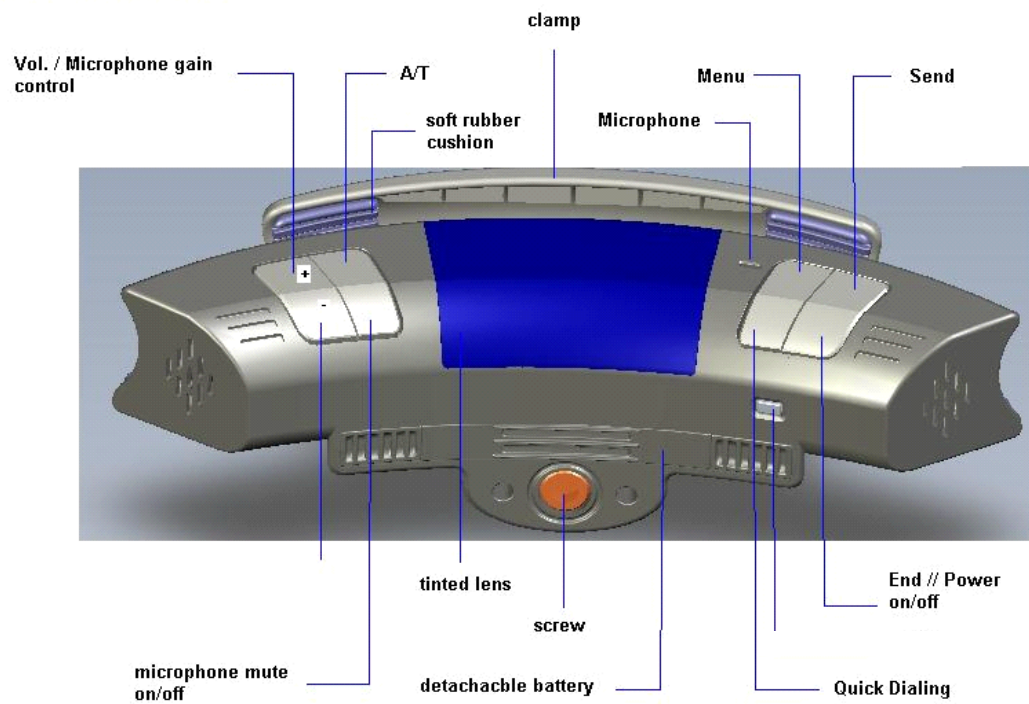
The SeecodeWheel is a handsfree unit for cars, which will be installed easily at the steering wheel. The unit will connect to a mobile phone over BluetoothTM. Phone numbers can be transferred from the mobile phone to the SeecodeWheel.

4.2 characteristics of the SeecodeWheel







- phonebook transfer over OPP (Object-Push-Profile) or AT-commandos
- phonebook memory for up to 600 numbers
- caller ID function for number or name (if stored in the phonebook of the SeecodeWheel)
- displays mobile phone signal strength
- DSP-Technology for echo cancellation and noise reduction
- Microphone gain control
- Speed dial
- digital volume control
- dot matrix LCD (liquid crystal display)
- call register
- voice dial
- screen contrast adjustable
- battery indicator
- software upgradeable
- detachable battery
- universal USB charging

4.3 the device

SEECODE WHEEL














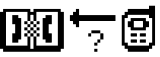





4.4 keys and functions

 (green)	 (red)
receive calls	end calls
voice dial	reject calls
call transfer	no (in menu)
yes (in menu)	power on / off (press for 2 seconds)
Bluetooth link connection	
	
volume +	volume -
upwards (in menu)	downwards (in menu)
leftwards (in menu)	rightwards (in menu)
microphone gain +	microphone gain -
	
- LCD contrast - inverse display - speed dial	speed dial (5 slots)
A/T	MIC ON/OFF
call transfer between mobile phone and SeecodeWheel	microphone mute

4.5 LCD display indicators

Symbols at the LCD

SEECODE	welcome screen
	BT pairing mode
	BT pairing successful
	BT search mode (blinking)
SEECODE	BT disconnected
 DAVID	outgoing call
 DAVID	incoming call
 DAVID	missed call
	menu
	reception signal strength indicator (for the paired mobile phone)
	battery indicator (for the SeecodeWheel)
	call transfer to mobile phone
	line switching with two calls
	voicemail
Call Register	call register
	volume indicator
	AT command „inquire“
	AT command „transfer in progress“
	AT command „transfer ready“
	OPP phonebook transfer in progress

BT = Bluetooth TM

5 Getting started

In this chapter you will receive important tips to get started using the unit.

Please follow these tips to avoid dangers and damages.

5.1 Installing the SeecodeWheel

⚠ WARNING

The SeecodeWheel must be mounted in such a way that you still have clear sight of your speedometer.

NOTE

The SeecodeWheel can be mounted in the upper or lower part of the steering wheel therefore the display can be inverted in the menu of the unit.

⚠ WARNING

Before you install the SeecodeWheel :

- ▶ Turn off the engine of your car.
- ▶ The steering wheel lock must be open.
- ▶ Fasten the handbrake.

- Take all accessories out of the packing.
- Line up your steering wheel.
- Loosen the screw at the bottom of the unit with the screwdriver until you can slip the clamp on your steering wheel from its backside.
- Position the unit in the correct position, then tighten the clamp by turning the screw carefully clockwise.

ATTENTION

Don't over tighten the screw, this may break the clamp, which will not be covered by the warranty!

- Cover the screw with the provided screw cap

The wide angle lens provided with the unit allow the sight at your speedometer when it will normally be blocked and can be mounted optionally.

- Put the lens in the holder and then put the holder with the lens at the backside of the unit. The two claps must latch in the cavities near the loudspeakers.

5.2 Charging the battery

NOTE

Please charge the battery for at least 5 hours before the first usage to prolong the battery life.

5.2.1 releasing the battery

1. Push the two security locks inward to unlock the battery and pull it out..
2. Connect the Mini USB part of the car charger with the charging port at the side of the battery.
3. Connect the car charger with the cigarette lighter port.

The charging LED of the battery will be red during charging and will go off when the battery is fully charged.

NOTE

The SeecodeWheel can also be charged with a standard Mini USB charging/data cable (not included) through the USB port of a PC or Laptop.

5.2.2 inserting the battery

1. Push the battery slot in the battery compartment.
2. The red label with "Frontside" on it must be facing you.
3. Push the two security locks outwards to secure the battery.


5.2.3 disposal of the battery

NOTE

Dispose the battery according to the local regulations of your country. Do not dispose as household waste.

5.3 turning on the SeecodeWheel

Press  for two seconds.

You will see a welcome note **SEECODE**, afterwards **SEECODE** will indicate on the display when there is no connection. If you have paired your mobile phone in advance, press , once to activate the auto search mode.

NOTE

If there is no BT connection for over 5 minutes, the unit will automatically switch off completely to save power.





5.4 Pairing / connecting the SeecodeWheel

NOTE



Before pairing please make sure, that the Bluetooth mode on your mobile phone is activated.



For more details about how to add Bluetooth devices to your mobile phone, please check its operation manual.

5.4.1 first time pairing

1. Enter pairing mode by pressing  for two seconds until you see **READY PAIRING** shown in the display.
2. Use your mobile phone to search for Bluetooth devices.
3. After the unit has been found by your mobile phone a register ID will be shown on its display. The ID of the unit is **SEECODE**.
4. Your mobile phone will request a pass code, please enter "0000".
5. The screen will display    to indicate, that the pairing was successful

5.4.2 connecting the wheel

After pairing you can connect the unit either using your mobile phone or by pressing  at the SeecodeWheel once. Please make sure Bluetooth has been activated on the mobile phone before pressing .








Once the connection has been established you will hear a short tone signal and the mobile phone's Bluetooth ID will be displayed at the display, for example :  **MOTOROLA V3** 

5.5 setting up the SeecodeWheel





NOTE

Setup function is only available when the SeecodeWheel is connected to a mobile phone.



5.5.1 contrast

1. Press 
2. Scroll in the menu with  + and  until you see **LCD Contrast**.
3. Press  to enter.
4. Select the wanted contrast level with  + and , there are 10 levels which can be selected.
5. press  to save setting



5.5.2 inverse display

1. Press 
2. Scroll in the menu with + and - until you **inverse screen**.
3. Press  to invert the display.


5.5.3 volume

Adjust the volume during a call with + and .

5.5.4 ring tone volume

Adjust the ring tone volume with + and -.when mobile phone is connected but no call is active.

5.6 turning off the SeecodeWheel

Press  for three seconds.

6 phonebook

6.1 phonebook transfer







Phonebook contents from the mobile phone can be transferred to the SeecodeWheel through AT command or OPP (Object Push Profile) .




NOTE




Not all mobile phones supports above features.

6.1.1 AT command

To transfer the phonebook to the unit through AT command:

1. Connect the mobile phone with the SeecodeWheel.
2. Press 
3. Scroll in the menu with  and  until you see **PHONEBOOK**.
4. Press  to enter phonebok transfer inquire.
5. Press  to start or  to cancel.

While the contact transfer is in progress    will be shown blinking at the display.

After a successful transfer    will be shown at the display.




NOTE

If you see **no response** in the display, your phone don't support the transfer through AT command. Please try the transfer through OPP.

6.1.2 OPP (Object Push Profile)

The unit supports single contact or group contacts transfer via OPP function. For detail operating procedures, please refer to your mobile phones user manual.

To transfer the phonebook to the unit through OPP :







1. Disconnect BT connection from SeecodeWheel setting.
2. Do the proper setting on the mobile phone for transferring the contacts by Bluetooth from the mobile phone to the unit.
3. During the phonebook transfer    will be shown in the display.
4. After successful transfer you will see "xxx records" . The „xxx“ is a number representing the number of correct transferred numbers.
5. Connect the SeecodeWheel again to the mobile phone.
6. Access the phonebook of the unit to check if the numbers have been transferred correctly.

6.1.3 deleting phonebook

NOTE

It is only possible to delete the complete phonebook, single contacts cannot be deleted. Also the speed dial contents will be deleted with this function.

To delete the phonebook:










1. Press 
2. Scroll in the menu with  + and  until you see **Del Phonebook**.
3. Press 
4. The display will show **Are you sure?**
5. Press  to proceed or  to cancel.


6.2 speed dial

NOTE

In order to setup speed dial, you must have transferred your contacts to the SeecodeWheel.

To setup speed dial:

1. Press 
2. Scroll in the menu with  + and  until you see **Speed Dialing**.
3. Press 
4. Select the desired slot with  + and .
5. Press  when you reach the desired slot.
6. Select the number for this slot from the phonebook.
7. Press  to proceed or  to cancel.

For easy setting, press  in standby mode and follow points 4 -7.

7 making calls

In this chapter you will receive important tips for the usage of the unit.

Please follow his tips to avoid dangers and damages.











7.1 warnings

WARNING

Always keep your attention at driving, also when you are making calls with the SeecodeWheel..


Calls can be made either through the mobile phone or the wheel.

7.2 making calls from the phonebook





1. Press 
2. Scroll in the menu with + and  until you see **Phonebook**.
3. Press , to open the phonebook.
4. Select the starting letter of the wanted contact with + and  and press , to search the contact.
5. Search in the contacts with the same starting letter with + or .
6. Press , to make the call to the selected contact.

Some mobile phones are able to register multiple phone numbers under the same contact. The phonebook of the unit will distinguish the different numbers by a suffix M (Mobile), H (Home) or O (Office) at the callers name.

7.3 Receiving calls





Calls can be received either through the mobile phone or the unit. To accept a call with the SeecodeWheel press .

7.4 making calls from call register / last number redial

1. Press .
2. Scroll in the register with + and - until you see the desired number.
3. Press  to make the call.

For incoming, outgoing or missed calls indicator please refer to the table LCD Indicators.

7.5 speed dial


1. Press .
2. Scroll in the list with + and -.until you see the desired number.
3. Press , to make the call.

7.6 Caller ID display

Caller ID will be displayed in three ways:

1. **By name**
To display the callers name the name must be stored in the phonebook of the SeecodeWheel .
2. **By phone number**
If the caller is not stored in the phonebook, only the phonenumber will be shown.
3. **Withheld number**
If the caller withheld his number “**withheld**” will be shown in the display.

7.7 rejecting calls


Press  to reject a call.

7.8 voice dial


NOTE

To use this function you must have stored voice tags in your mobile phone, as the voice tags will be used from the mobile phone.

To start voice dial:

Press  for two seconds.

Speak the desired name (voice tag) after the tone.

If failed to recognize, you will hear a deep tone twice, press  and repeat above procedure.





7.9 options during a call

7.9.1 call waiting

NOTE

call waiting function depends on the network and may not be available everywhere.

To accept a new call during a conversation:

1. Press , the second call will be taken.
2. Press , to switch between both calls.
3. Choose the desired line **L1**  **L2**
4. Press  to proceed.






7.9.2 call transfer between mobile phone and SeecodeWheel

Press **A/T**, to transfer an active call from the SeecodeWheel to the mobile phone,.

7.9.3 DTMF

NOTE

This function is useful for calls with a speech computer system, for example banking.

1. Press  for two seconds.
2. Choose the desired number with  **+** and  **-**.
3. Press  to select the number or  to cancel.

8 Other functions of the WHEEL V3

8.1 A2DP functions


NOTE

- ▶ Devices connected to the Wheel V3 (mobile phones / media players) must also support the A2DP profile.
- ▶ A2DP is only available if only *one* mobile phone is connected to the Wheel V3. If a second phone is connected, A2DP is automatically deactivated.

The Wheel V3 supports the A2DP profile. If there is an active connection to a media player / mobile phone, the A2DP function can be used to playback music and to control the media player remotely by means of the WHEEL V3.

8.1.1 Establishing an A2DP connection


According to the features of the mobile phone, an A2DP connection to the WHEEL V3 can be established automatically when you start playing back music on the mobile phone.

If there is an A2DP connection,  appears on the display of the WHEEL V3.

If your mobile phone does not automatically establish the connection, follow the instructions in the phone's manual for establishing an A2DP connection before you start playing back the music.



8.1.2 A2DP functions


The following functions can be used with a mobile phone that supports both A2DP and also AVRCP for controlling the phone's music player remotely by means of the WHEEL V3:

Start A2DP mode: Press  two times.

Play: Press .

Stop: Press .

Volume: Use the  or  button to change the volume.

Next title: Press  for two seconds.

Previous title: Press  for two seconds.

Disconnect: Press the menu button twice.

NOTE


In case there is an incoming call, the music playback is interrupted. You can accept or reject the call as usual. After the end of the call, the music playback is continued automatically.

8.2 Multiconnecting

The WHEEL V3 can be connected simultaneously to up to two mobile phones.

8.2.1 Connecting additional mobile phones

The WHEEL V3 can be connected to additional (already paired) mobile phones in different ways.

- After the WHEEL V3 is turned on, the unit connects to max. Two mobile phones that were last connected.
- Connection starting from the WHEEL V3:
If there is no active connection, press . The WHEEL V3 connects to the mobile phone that was last used. Then it connects automatically to the other mobile phone that was last used.

NOTE

If the desired mobile phone is not the one that was last used, start the connection from the mobile phone.

- Connection starting from the mobile phone.
Connect the WHEEL V3 to the mobile phone as described in the phone's manual.

NOTE

Each additional connection can be established only after successful connection of the first mobile phone.

After all of the mobile phones have been successfully connected, the first is the primary phone and the others are set to stand-by mode. The order can be changed only after the primary phone has been disconnected from the WHEEL V3.


Only the name of the primary phone appears on the display of the WHEEL V3.

Outgoing calls via the WHEEL V3, such as redial or voice dial, are performed only with the primary phone.

Outgoing calls from all of the mobile phones are performed via the WHEEL V3 just as normally as in the case of a single connection.

8.2.2 Voice functions

In the case of a simultaneous connection with two mobile phones:

- If only one device receives a call, the call can be accepted completely normally via the WHEEL V3.
- If two devices receive calls at the same time, the WHEEL V3 can accept only the call that reached it first. In this case, all of the operating options of the WHEEL V3 only apply to the call that was received first. After the end of the first call, press , in order to hand the second call over to the WHEEL V3, otherwise the call remains on the mobile phone.

8.2.3 Phonebook functions in multiconnecting

- The phonebook of the WHEEL V3 can store up to 400 entries for the primary phone and 200 entries for secondary phones.
- Only the primary phone can transfer call numbers via the AT command; the secondary phones can transfer entries only via OPP.
- If more than 200 entries are transferred from a secondary phone, the phonebook of the primary book is deleted to make room.
- If less than 200 phonebook entries are transferred from a secondary phone, the register of the other secondary phone is increased accordingly.

The “Delete phonebook” function of the main menu only deletes the entries stored for the primary phone.

9 Cleaning and care taking

In this chapter you will receive important tips for the cleaning and caretaking of this unit.

Please follow this tip to avoid damages resulting of wrong cleaning.

9.1 cleaning- and safety hints

ATTENTION

Please take care of the following things for cleaning the unit:

- ▶ Only clean it with a soft, dry or damp cloth.
- ▶ Even if strong soiled only use a damp cloth, no wet one .
- ▶ Use only clear water, no chemical cleaning solution, as these can damage the housing of the SeecodeWheel.

10 trouble shooting

In this chapter you will receive important tips for troubleshooting, if your device is not working correctly.

Please follow these tips to avoid dangers and damages.

10.1 warnings

ATTENTION

- ▶ Repairs at electronical units must be made only by authorized technical support service.
- ▶ Don't try to open the unit by yourself, there are no parts that can be repaired by yourself.

10.2 trouble shooting

phone status is not showing:

This function is not supported by all mobile phones

No pairing possible:

- Turn the unit off / on and try it again.
- Please make sure that the unit is in pairing mode.

Loudspeaker volume too low:

Please increase the volume on the mobile phone during an active call..

Voice too low to be heard from the person who is talking to the wheel user:

Try the following Steps during an active call:

- Adjust the Mic gain at the SeecodeWheel to high
- or
- the person who is talking to the wheel user adjust his/her mobile phone volume to maximum..

Dialled number cannot be found in the call register:

Numbers **dialled** directly with the mobile phone cannot be stored in the **call register** of the SeecodeWheel.

Problems with some phones:

Nokia 6130:

After a call has been held and one call closed the held call cannot be “un-held” from the SeecodeWheel.

Most Nokia models:

When the SeecodeWheel transfer a call to the mobile phone the mobile phone will be disconnected. To reconnect simply press the call button instead of **A/T** .

LG KG800:

When the connection to the SeecodeWheel is initiated from the mobile phone it only supports Headsetprofile, then not all functions will be supported.

If the connection is initiated from the SeecodeWheel it will support Handsfree profile and all functions are available.

Samsung EB70, GSOO:

Call transfer must be confirmed on the phone

Samsung G600:

This phone doesn't support call waiting

11 Disposal

In this chapter you will receive important tips for the correct disposal of the unit.

Electronically units often contain valuable materials, however they also contain hazardous materials.

Don't dispose your electronics in the household-waste.



NOTE

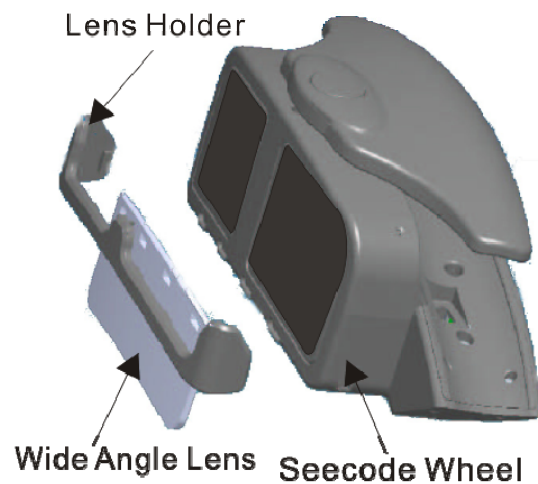
- ▶ Check with your local authority about the regulations in your country regarding the disposal of electronically waste.
- ▶ Keep electronically waste safe and out of reach of children.

12 Seecode Wheel with Wide Angle Len



Seecode Wheel V2

Seecode Wheel with Wide Angle Lens



The wide angle lens provided with the unit allow the sight at your speedometer when it will normally be blocked and can be mounted optionally. Put the lens in the holder and then put the holder with the lens at the backside of the unit. The two clips must latch in the cavities near the loudspeakers.

13 warranty

For this unit we will give **24 month warranty period**, starting from the date of sale to the end user.

Defectives will not be covered by warranty if resulting from :Non-observance of this manual, Improper usage, Repairs not made by us or an authorized technician, Technical modifications, Usage of not approved accessories and mechanical damages.

Within the warranty period we will repair or exchange defective units.

Before sending back defective units to us, please contact us to make sure, that the defect is qualified as a warranty defect.

.Without sales receipt the unit shall fall **outside the warranty period**.

14 technical specifications

battery	3.7V, 700mAh, Li-Pol
speakers	8 Ohm/1W (Normal)
MIC	-62 +/- 2dB
Power consumption	max. 120mA
Cigar lighter jack out	5V/650mA
Frequency range	2402MHz - 2480MHz
Modulation method	GFSK, 1Mbps, 0,5BT Gaussian
Transmission power	typ.- 1.0 dBm
Hopping	1600 hops/sec, 1MHz channel space
RX Sensivity	typ. -83.0 dBm
Built in memory	Flash memory (8MBit)
Operating temperature	-10 bis 50 °C
Storage temperature	-20 bis 70 °C
Noise supression	Yes
Echo cancellation	Yes
Supported Profile	HSP, HFP, OPP
Standbytime	200h
talktime	11h