

Product Guide

2007

[www.parrot.com](http://www.parrot.com)



# Car kits guide



Parrot

## Company Background

Founded in 1994 by Chairman and CEO Henri Seydoux, Parrot is one of the most successful and fastest-growing companies working in *Bluetooth*<sup>®</sup> wireless technology.

Parrot's core competency is developing embedded noise-robust voice recognition and Digital Signal Processing Technology for applications in mobile computing and communications. Parrot has the expertise necessary to turn its ideas into products quickly - from the development of signal processing algorithms and application software to the design of advanced dedicated chipsets to the production of attractive, high-quality products.

Parrot is the world leader in *Bluetooth* vehicle systems, and its products are distributed in 70 countries over five continents. The company maintains offices in France, US, UK, Germany, Spain, Italy and Hong Kong/China.



## Innovation changing the face of in-car sound thanks to Parrot

Parrot's *Bluetooth* hands-free kits can be fitted in all makes and models, and connected to any *Bluetooth*-compatible mobile phone.

Their user interface is specially designed to prevent you from having to handle your mobile phone while driving.

# 01

## Our top priority, audio quality inside the vehicle

Thanks to the very latest technological progress in terms of digital signal processing, such as echo cancellation and noise reduction, your conversations remain audible and crystal-clear for your callers. Parrot's engineers started focusing on this priority back in 1994.

# 02

## The best in voice recognition

Call your contacts by saying their name without taking your hands off the wheel.

# 03

## *Bluetooth* expertise

Compatibility with all brands of *Bluetooth* mobile phones. Automatic synchronisation with your mobile's phonebook.

# 04

## Customer support

A dedicated hotline and a Web forum on the [www.parrot.com](http://www.parrot.com) website. Download the latest software versions for your product online.

## PARROT MINIKIT



The Parrot MINIKIT is a portable *Bluetooth* hands-free kit with its own battery. It connects to your *Bluetooth* mobile phone and relays your calls over its 2W speaker. It features the very latest generation in signal processing algorithms for crystal-clear conversations. The Parrot MINIKIT fixes to the sun visor or can be placed on a table. Thanks to its compact size and featherweight design, it can easily be slipped into a pocket or bag.

### Specifications

- Compact *Bluetooth* hands-free kit (100 g) with a built-in rechargeable battery.
- Built-in voice recognition for making calls: up to 150 names (max) per phone.
- DSP-2: full duplex, echo cancellation, noise reduction and residual echo cancellation.
- Battery life: over 10 hours' talk time and over 10 days on standby.
- Compatible with all *Bluetooth* phones on the market.

## PARROT DRIVER HEADSET



The first *Bluetooth* headset truly designed for drivers, the Parrot DRIVER HEADSET recharges via its cradle plugged into the vehicle's accessory socket (12V) and instantly unclips for answering calls. Its intelligent cradle/charger means that the headset is always ready to go, and it offers all the features of a true *Bluetooth* hands-free kit: redial, phone voice recognition, and much more.

### Specifications

- Answer and end calls by removing / replacing the headset in its cradle.
- A true *Bluetooth* hands-free headset: ringtone for incoming calls, voice recognition, and so on.
- Ultra-light headset: 14 grams.
- Compatible with all *Bluetooth* phones on the market.

new



## PARROT PMK5800

The Parrot PMK5800 is a *Bluetooth* hands-free kit featuring an FM transmitter. It can be plugged into any accessory socket (12V) and connects to your mobile phone via *Bluetooth*. Phone calls are relayed through the car stereo via the FM transmitter and reproduced over the vehicle's speakers. The Parrot PMK5800 also plays music tracks from any *Bluetooth* stereo (A2DP) compatible device or any audio player (CD/MP3 player, etc.) thanks to its line-in socket.

### Specifications

- Mobile *Bluetooth* hands-free kit with an adjustable-frequency FM transmitter.
- Conversations and music played over the vehicle's speakers via the car stereo.
- Built-in voice recognition for making calls: up to 150 names (max).
- Works with all 12V accessory socket (adapter supplied).
- Compatible with all *Bluetooth* phones on the market.

new



## PARROT CK3000 EVOLUTION Black Edition

The Parrot CK3000 EVOLUTION is an especially discrete *Bluetooth* hands-free kit. Its interface features a three-button keypad, which fixes to the dashboard. An adjustable external microphone captures your voice and transmits it to the caller. Conversations are reproduced in full duplex over the vehicle's speakers. Once connected to your *Bluetooth* phone, the Parrot CK3000 EVOLUTION replaces your mobile and delivers unrivalled sound quality.

### Specifications

- Universal *Bluetooth* hands-free kit with a three-button interface.
- Built-in voice recognition for making calls: up to 150 names (max) per phone.
- Maximum audio quality: full duplex, noise reduction and echo cancellation.
- Uses the vehicle's speakers for your conversations.
- Compatible with all *Bluetooth* phones on the market.

new



## PARROT CK3100 LCD Black Edition

The Parrot CK3100 LCD is an advanced *Bluetooth* hands-free kit featuring an LCD screen. The screen displays your phone's information and the user menus. The kit automatically synchronises its phonebook with the contacts on your mobile phone: therefore, you can access your phonebook at any time and view the contacts on the LCD screen. The built-in voice recognition, full-duplex conversations over the vehicle's speakers, and the noise reduction and echo cancellation features make this kit the ideal communication tool.

### Specifications

- *Bluetooth* hands-free kit with an LCD screen and external microphone.
- Displays the mobile phone's information: phonebook, incoming calls, recent calls, missed calls, voice messages.
- Built-in voice recognition for making calls: up to 150 names (max) per phone.
- Optimal audio quality: full duplex, noise reduction and echo cancellation.
- Automatic phonebook synchronisation.
- Uses the vehicle's speakers for your conversations.
- Compatible with all *Bluetooth* phones on the market.

## PARROT 3200 LS-COLOR PLUS



new

The Parrot 3200 LS-COLOR PLUS is the all-colour «big screen» *Bluetooth* hands-free kit. In addition to automatic phonebook synchronisation, voice recognition, ultra-effective noise reduction and advanced audio functions, this Parrot kit displays your callers' photos (if available in the phonebook) during calls. You can customise your kit by choosing and sending wallpaper from a mobile phone and also select your favourite ringtone.

### Specifications

- *Bluetooth* hands-free kit with a TFT screen with 160x128 pixels and 262 144 colours.
- Displays your callers' photos during calls.
- Displays the mobile phone's information: phonebook, incoming calls, recent calls, missed calls, voice messages.
- Built-in voice recognition for making calls: up to 150 names (max) per phone.
- Advanced noise reduction with a double microphone built into the screen, full duplex and echo cancellation.
- Automatic phonebook synchronisation.
- Uses the vehicle's speakers for your conversations.
- Compatible with all *Bluetooth* phones on the market.



## PARROT 3400 LS-GPS

An innovative combination of a «big screen» *Bluetooth* hands-free kit and a GPS module, the Parrot 3400 LS-GPS showcases all of Parrot's expertise: a TFT screen with 262 144 colours placed on the dashboard, an adjustable external microphone and all the signal processing technology. Once connected to your mobile phone, the kit reproduces conversations over the vehicle's speakers, while the car stereo is automatically muted. For navigating, your GPS position is sent directly by *Bluetooth* to your PDA or smartphone. Your GPS device calculates the route and the navigation information is relayed over the vehicle's speakers by the kit.

### Specifications

- *Bluetooth* hands-free kit with a TFT screen with 160x128 pixels and 262 144 colours.
- Active 12-channel GPS antenna (navigation software and PDA/smartphone not supplied).
- Displays your callers' photos during calls.
- Displays the mobile phone's information: incoming calls, recent calls, missed calls, voice messages, phonebook.
- Built-in voice recognition for making calls: up to 150 names (max) per phone.
- Noise reduction, full duplex and echo cancellation.
- Automatic phonebook synchronisation.
- Uses the vehicle's speakers for your conversations and navigation.
- Compatible with all *Bluetooth* phones on the market.



## PARROT MK6000

The Parrot MK6000 is a *Bluetooth* hands-free and music kit: it relays your conversations over the vehicle's speakers and also plays your MP3 tracks from your *Bluetooth* (A2DP) mobile phone, A2DP-compatible player or any other audio player fitted with a *Bluetooth* stereo adapter (dongle). Another innovation is the built-in voice synthesis of the names in the phonebook, providing quick access to your contacts' numbers. The double microphone combined with the exclusive Parrot software delivers unrivalled audio quality, irrespective of the surrounding environment.

### Specifications

- *Bluetooth* hands-free kit with a six-button user interface.
- DSP-2: advanced noise reduction (Parrot Beamforming), full duplex and echo cancellation.
- Automatic phonebook synchronisation.
- Voice synthesis of the names in the phonebook.
- Plays music tracks from any *Bluetooth* stereo (A2DP) compatible audio source.
- Built-in voice recognition for making calls: up to 150 names (max) per phone.
- Built-in 30W digital amplifier.
- Uses the vehicle's speakers for your conversations and music.
- Compatible with all *Bluetooth* phones on the market.



## PARROT MK6100

The Parrot MK6100 features all the specifications of the MK6000 and comes with an OLED screen for perfect readability in every situation. It displays your mobile phone's information and your phonebook. It also plays your MP3 tracks from your *Bluetooth* stereo (A2DP) mobile phone, A2DP-compatible player or any other audio player fitted with a *Bluetooth* stereo adapter (dongle). With advanced noise reduction, full duplex and echo cancellation, the Parrot MK6100 is definitely a hands-free kit geared towards high-fidelity music.

### Specifications

- *Bluetooth* hands-free kit with a six-button user interface.
- DSP-2: advanced noise reduction (Parrot Beamforming), full duplex and echo cancellation.
- Automatic phonebook synchronisation.
- Voice synthesis of the names in the phonebook.
- Plays music tracks from any *Bluetooth* stereo (A2DP) compatible audio source.
- Built-in voice recognition for making calls: up to 150 names (max) per phone.
- Built-in 30W digital amplifier.
- Uses the vehicle's speakers for your conversations and music.
- Compatible with all *Bluetooth* phones on the market.

## PARROT RHYTHM N'BLUE



Take advantage of the exceptional sound and calls in complete freedom thanks to the Parrot RHYTHM N'BLUE, combining the advanced functions of a *Bluetooth* hands-free kit and an RDS AM/FM and CD/MP3 car stereo. Phonebook synchronisation, voice recognition, noise reduction, echo cancellation, car stereo muting for incoming calls... the Parrot RHYTHM N'BLUE is a true hands-free car stereo kit that will keep you company on all your trips.

### Specifications

- *Bluetooth* hands-free kit and car stereo combo.
- CD/CD-R/CD-RW/MP3 player with an RDS AM/FM tuner.
- 4 x 45W amplifier with an equaliser and sound effects selector.
- Displays the mobile phone's information: incoming calls, recent calls, missed calls, voice messages, phonebook, and so on.
- Built-in voice recognition for making calls: up to 150 names (max) per phone.
- Noise reduction, full duplex and echo cancellation.
- Automatic phonebook synchronisation.
- Compatible with all *Bluetooth* phones on the market.

new

## PARROT RK8200



The Parrot RK8200 is a combination FM/AM RDS car stereo, a digital multi music player and a high-performance *Bluetooth* hands-free kit. It provides *Bluetooth* stereo, iPod and USB flash drive connectivity in its internal compartment behind the removable front panel. It also accepts SD cards and can store over 300 MP3 tracks in its internal memory. The Parrot RK8200 also boasts advanced telephony functions: automatic phonebook synchronisation, voice recognition, speech synthesis of the contacts, built-in double microphone with dynamic choice of the best microphone... music and calls are streamed over the vehicle's speakers.

### Specifications

- FM/AM RDS tuner + digital music player + built-in *Bluetooth* hands-free kit.
- *Bluetooth* stereo (A2DP) compatible and connectivity for iPod, USB flash drive, SD card, line-in socket...
- 4x45W amplified hi-fi output with an equaliser and 'Virtual Super Bass'.
- Built-in double microphone, automatic speaker detection, advanced noise reduction, echo cancellation.
- Voice menus, voice recognition, speech synthesis of the names in the phonebook.
- Large 2.4" TFT screen with 262 144 colours, displaying the playlist, menus and settings.
- Compartment for phones and digital music media behind the removable front panel.
- Compatible with all *Bluetooth* phone brands.

## Bluetooth wireless technology

*Bluetooth* wireless technology is a wireless communication link, operating in the unlicensed ISM band at 2.4 GHz using a frequency hopping transceiver. It allows real-time AV and data communications between *Bluetooth* enabled hosts. The link protocol is based on time slots.

## Pairing

The pairing procedure involves establishing a link between a *Bluetooth* device and a *Bluetooth* phone. This link enables both devices to recognise each other and exchange a number of parameters (e.g. device name and available services), which will stay in their respective memories until deleted by the user. Pairing is performed by searching for nearby *Bluetooth* devices from a *Bluetooth* phone and then selecting the required device. Pairing is confirmed by the user, who has to enter a PIN code, which is often fixed and depends on the *Bluetooth* device. The pairing procedure is only performed once when the device is used for the first time with the *Bluetooth* phone.

## Connection

In most cases, the connection between a *Bluetooth* phone and a *Bluetooth* hands-free kit is automatic, if the phone has previously been paired with the kit. The connection establishes a link between both devices, enabling users to access the kit's different functions: calls, streaming audio, contact synchronisation... For greater convenience, the connection is established without any intervention from the user.

## Bluetooth Profiles

*Bluetooth* profiles are general behaviours through which *Bluetooth* enabled devices communicate with other devices. *Bluetooth* technology defines a wide range of profiles that describe many different types of use cases. In order to use *Bluetooth* technology, a device must be able to interpret certain *Bluetooth* profiles. The profiles define the possible applications.

## Bluetooth Stereo (A2DP) Advanced Audio Distribution Profile

The A2DP profile describes how stereo quality audio can be streamed from a media source to a sink. The profile defines two roles of an audio source and sink. A typical usage scenario can be considered as the "walkman" class of media player. The audio source would be the music player and the audio sink is the wireless headset. A2DP defines the protocols and procedures that realize distribution of audio content of high-quality in mono or stereo on ACL channels.

## Audio / Video Remote Control Profile (AVRCP)

AVRCP is designed to provide a standard interface to control TVs, Hi-fi equipment, etc. This profile is used to allow a single remote control (or other device) to control all the A/V equipment that a user has access to. AVRCP defines how to control characteristics of streaming media. This includes pausing, stopping, and starting playback and volume control as well as other types of remote control operations.

More information and details on:  
[www.bluetooth.com/Bluetooth/Learn/Glossary/](http://www.bluetooth.com/Bluetooth/Learn/Glossary/)

PRODUCT FEATURES	PARROT DRIVER HEADSET	PARROT PMK5800	PARROT MINIKIT	PARROT CK3000 EVOLUTION BLACK EDITION	PARROT CK3100 LCD BLACK EDITION	PARROT 3200 LS-COLOR PLUS	PARROT 3400 LS-GPS	PARROT MK6000	PARROT MK6100	PARROT RHYTHM N'BLUE	PARROT RK8200
SCREEN (DISPLAY) TYPE	No screen	Base monochrome	No screen	No screen	Base monochrome	Color	Color	No screen	OLED	Base monochrome	Color
FULL DUPLEX	●	●	●	●	●	●	●	●	●	●	●
ECHO CANCELLATION	●	●	●	●	●	●	●	●	●	●	●
NOISE REDUCTION	●	●	●	●	●	●	●	●	●	●	●
ADVANCED NOISE REDUCTION (PARROT BEAMFORMING)	NA	●	NA	NA	NA	●	NA	●	●	NA	●
MICROPHONE	NA	1 built-in	1 built-in	1 external	1 external	Double built-in	1 external	Double external	Double built-in	1 external	Double built-in
CALLER'S VOICE THROUGH STEREO	NA	●	NA	●	●	●	●	●	●	●	●
AUTOMATIC CELL PHONEBOOK TO KIT PHONEBOOK SYNCHRONIZATION	NA	NA	NA	NA	●	●	●	●	●	●	●
MULTI-LINGUAL VOICE RECOGNITION	●	●	●	●	●	●	●	●	●	●	●
HANDS-FREE VOICE TAGS	NA	Max. 150 per phone	Up to 150 per phone	Up to 150 per phone	Up to 150 per phone	Up to 150 per phone	Up to 150 per phone	Up to 150 per phone	Up to 150 per phone	Up to 150 per phone	Up to 150 per phone
TOTAL KIT PHONEBOOK CAPACITY	NA	300	750	450	5000	5000	5000	8000*	8000*	5000	8000*
CONTACT KIT PHONEBOOK CAPACITY PER PAIRED PHONE	NA	Max. 150 per phone	Up to 150	Up to 150	Up to 1000	Up to 1000	Up to 1000	Dynamic memory allocation	Dynamic memory allocation	Up to 1000	Dynamic memory allocation
VOCAL CALLER ID	NA	●	●	●	●	●	●	●	●	●	●
CALLER ID WITH PHOTO (IF EXISTING IN CELL PHONE BOOK)	NA	NA	NA	NA	NA	●	●	NA	NA	NA	●
VOICE SYNTHESIS SPEAKS PHONEBOOK NAMES (TTS)	NA	NA	NA	NA	NA	NA	NA	●	●	NA	●
AUDIO STREAMING CAPABILITY (BLUETOOTH STEREO - A2DP)	NA	●	NA	NA	NA	NA	NA	●	●	NA	●
COMPATIBLE WITH BLUETOOTH AVRCP (AUDIO VIDEO REMOTE CONTROL PROFILE)	NA	●	NA	NA	NA	NA	NA	●	●	NA	●
GPS NAVIGATION SIGNAL	NA	NA	NA	NA	NA	NA	●	NA	NA	NA	NA
EASY SWITCH TO PRIVACY MODE	NA	●	●	●	●	●	●	●	●	●	●
UPGRADEABLE SOFTWARE VIA BLUETOOTH	NA	●	●	●	●	●	●	●	●	●	●
MAXIMUM PAIRING	5	10	5	3	5	5	5	5	5	5	10
UNIVERSAL PHONE COMPATIBILITY	●	●	●	●	●	●	●	●	●	●	●

\*Up to 8000 number of contacts with TTS, 150 per phone paired without TTS





we put  
*Bluetooth*<sup>®</sup>  
in your  
life

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