



## Motor Shows unveil new telematics and infotainment launches



## Auto China 2012

### 2012 BEIJING INTERNATIONAL AUTOMOTIVE EXHIBITION

PASSENGER CAR AND COMMERCIAL VEHICLES: 25 APRIL - 2 MAY, 2012  
CHINA INTERNATIONAL EXHIBITION CENTER (NEW VENUE)  
AUTO COMPONENTS AND PARTS: 23 APRIL - 27 APRIL, 2012  
CHINA INTERNATIONAL EXHIBITION CENTER (JINGANZHUANG)

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Chevrolet adds navigation via  
smartphone integration [p16]



Chrysler launches in-car  
wireless charging [p21]

## SNAPSHOT: In this bulletin...

### Telematics and infotainment [Pgs 4 to 11]



US: Acura launches next-gen AcuraLink telematics system



US: Chrysler launches 'UConnect Access' telematics platform with apps



Nissan adds connected services to Nissan Connect infotainment system



China: BYD launches Qin with 'i' telematics & F3 with remote controller!



China: Hyundai to launch Blue Link telematics on Elantra (Langdong)



OnStar releases telematics service statistics



OnStar shows Skype, Twonky & more in the car using 4G LTE



US: OnStar to launch Family Link tracking package in mid-April



US: Mercedes-Benz to offer WiFi hotspot from Autonet as accessory



eCall again ~ Now MEPs say Private eCall is not good enough



HARMAN signs \$500M infotainment deal with Chinese and Indian OEMs

### Navigation and traffic [Pgs 12 to 14]



Garmin announces global OE in-dash navigation contract with Suzuki

Garmin opens auto OEM offices in Shanghai, Stuttgart & Yokohama



Japan: Toyota, Nissan and Honda to help create traffic maps



INRIX traffic powers 20 OEMs including 4 with two-way connectivity



iGo Primo Southeast Asian iPhone navigation app launched



New steering wheel vibration concept for navigation HMI by AT&T Labs

### Smartphone and apps [Pgs 15 to 18]



China: BMW launches in-car apps using smartphone integration



China: Ford SYNC gets Mandarin support; Baidu & QQ app integration



KIA MOTORS

Kia showcases infotainment concept with app store



Chevy MyLink system gets smartphone navigation with Gogolink

US study: In-car internet radio listening increases by 50%



US Study: Travel services popular amongst smartphone users



In-car smartphone integration patent awarded to Blitzsafe



Wind River releases software tools for in-car Android development

### ADAS, connectivity and more [Pgs 19 to 23]



US: Cadillac working on 'Super Cruise' ~ next-gen cruise control

Cadillac launches seat vibration alert for ADAS on the new XTS



All-new Volvo V40 loaded with ADAS; Includes pedestrian airbag tech



Subaru announces new 'EyeSight' ADAS with CCD cameras



US: Chrysler to offer in-car wireless charging for \$200

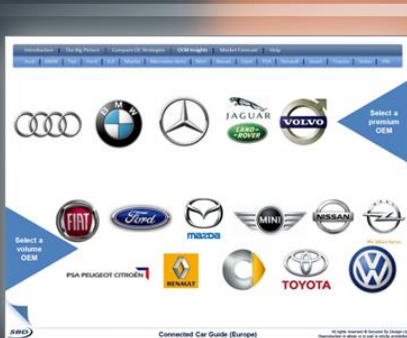
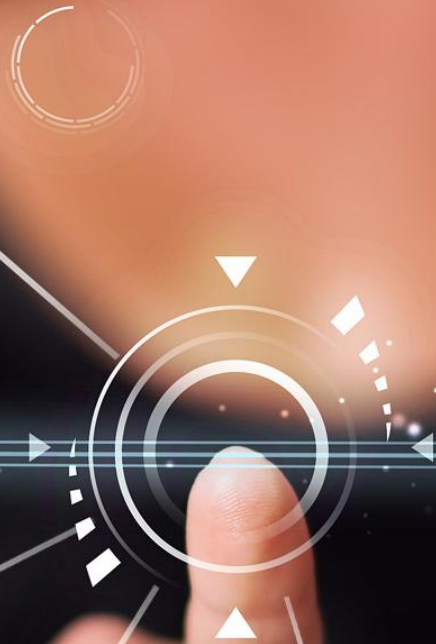


Parrot powers Bluetooth tethering hardware for a German car maker



Everything you need to know about connected cars...  
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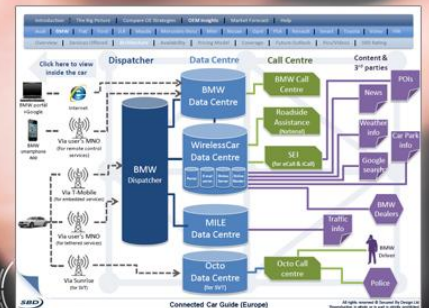
# The Ultimate Connected Car Guide



Current and future connectivity strategies for 31 OEMs in China, Europe and the USA.



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Detailed technical architectures of connectivity platforms.

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**NEW YORK  
INTERNATIONAL  
AUTO SHOW**

**US: Acura launches next-gen AcuraLink telematics system**



- Stolen Vehicle Tracking
- Remote Door Lock/Unlock
- Vehicle Finder
- Concierge Operator
- Real-time Traffic
- Remote Diagnosis
- Deal Appointment
- Bing Search Capability
- Aha Mobile Internet Radio
- Pandora Internet Radio
- HD Radio
- SMS Voice Texting
- Smart Phone Connectivity

Acura has unveiled the RLX Concept vehicle at the New York Auto Show, featuring the new AcuraLink telematics system. The RLX is equipped with state-of-the-art communications, navigation and infotainment technologies with intuitive and easy-to-operate controls. Dual LCD screens (8-inch display and 7-inch touch screen) will provide easy and direct one-touch access to key functions — including audio, heating and cooling, navigation and voice-to-text SMS text message function.

The RLX will also feature the first application of the next-generation AcuraLink Communication System, which incorporates built-in two-way cellular communication to deliver an array of new convenience features, including airbag deployment notification, stolen vehicle tracking, remote locking and unlocking, security alarm notification and concierge service.

Other infotainment features on the RLX include an all-new, 14-speaker ultra premium audio system, in addition to Acura’s ELS Surround sound system. Both audio systems provide MP3 connectivity via USB along with integration of HD radio, Pandora

internet radio interface and Aha Radio interface via Bluetooth smart phone pairing.

Using Aha, RLX drivers can choose from thousands of web-based audio stations, including music, live news, podcasts, audio books, personalized points of interest, and audio newsfeeds from Facebook and Twitter. In addition, a new Acura-exclusive smart phone application integrates smart phone functions (such as email, text messaging and contacts) into the RLX’s on-demand touch screen functions. Bluetooth HandsFreeLink calling and pre-loaded text message replies provide for easy two-way communication.

The RLX also will be available with Acura Navigation System with Voice Recognition. This innovative system offers the driver a wide range of search options including Bing search functionality and the option for an AcuraLink concierge to send a destination to the vehicle’s navigation system. In addition, the RLX navigation system will feature AcuraLink Real-Time Traffic for both highways and surface streets.

Source: Acura.

**NEW YORK  
INTERNATIONAL  
AUTO SHOW**

**US: Chrysler launches 'UConnect Access' telematics platform with apps**



At the New York Auto Show, the Chrysler Group launched its 'UConnect Access' telematics platform, showcased on the 2013 Ram 1500 and the SRT Viper vehicles.

Chrysler is positioning Uconnect Access as a powerful platform that provides multiple ways to connect.

The UConnect Media Centres R3 and R4 (on the Ram 1500) provide a built-in cellular connection so vehicle occupants are automatically connected to a variety of new services and the internet with WiFi hotspot capability. The new UConnect Media Centres provide a direct connection to emergency services when the new 911 button found on the rear view mirror is pushed.

Customers also will automatically receive regular vehicle health reports and be able to remotely lock or unlock truck doors, start the vehicle, and flash lights from any distance via the web or a smartphone application.

Owners will be able to access select, certified in-vehicle applications. Driving-relevant applications will be introduced over time and are designed specifically for in-vehicle use. The certified

applications are easily controlled with natural voice recognition or steering wheel controls to keep drivers focused on the road.

Applications are updatable over the air and are downloaded directly to the Uconnect Media Centre, so features remain current. Owners will be able to continually evolve their in-vehicle connectivity experience by downloading app updates or new applications as they become available directly to the Uconnect Media Centre from inside the car, via the 8.4-inch touch screen.

In addition to HD Radio, customers also will have access to SiriusXM satellite radio, hands free mobile phone operation, hands free navigation, hands free texting with compatible phones and hands free control of music.

Also enhancing driver convenience, Uconnect features one-step voice command of navigation, the ability to check real-time fuel prices and listen and respond to text messages, combined with familiar knobs for climate and comfort controls.

Note: Sprint is the strategic wireless partner for the Uconnect Access system.

Source: Chrysler.

**NEW YORK  
INTERNATIONAL  
AUTO SHOW**

**Nissan adds connected services to Nissan Connect infotainment system**



Nissan has unveiled the new Altima at the New York Auto Show with the next-gen NissanConnect system featuring connected services.

NissanConnect gets a 5.0-inch color audio display with SV and SL models, or a 7.0-inch color display when equipped with navigation.

Among its many features, NissanConnect integrates Pandora, Bluetooth Hands-free Phone, USB connection for iPod interface and other compatible devices and SiriusXM Satellite Radio.

The Hands-Free Text Messaging Assistant allows drivers to manage incoming text messages via voice control. Drivers are alerted to an incoming text on the Advanced Driver-Assist Display (ADAD) and, after initiating the system, they can hear the text read out loud and respond via voice recognition, or via the steering wheel switches using pre-set answers such as “driving,

can’t text,” “on my way,” “running late,” “okay” or a custom message. The system can be turned off if desired.

The NissanConnect with Navigation system also integrates with the ADAD and includes an easy-to-use with its 7.0-inch touchscreen, 3D-effect map views, Voice Recognition, destination search via Google POI. It also offers the ability to send Google directions to the navi system straight from a smartphone. Other navigation system features include speed limit display, eco driving maps, curve warning, and split screen display – along with global radio capability. The navigation system is available at an M.S.R.P. of just \$590 USD.

Note: Nissan Connect Google services require a subscription and owner consent to activate, subscription service for the first 36 months included in vehicle price, subscription available for purchase thereafter.

Source: Nissan.



# HMI COCKPITS EUROPE 2012

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## BYD launches Qin with 'i' telematics & F3 with remote controller!

BYD has unveiled two new models – the “F3 Plus” and the Dual Mode “Qin” (pronounced “Chin”) at 2012 Beijing International Auto Show.

The BYD Qin is a dual-mode electric vehicle that uses BYD’s new, innovative Dual Mode II system with improvements over the first generation’s F3DM system.

The Qin is also equipped with the BYD “i” intelligent cloud system platform incorporating features like telematics, cloud-computing and a full-range of services.



The new BYD F3 Plus best represents the Auto Show’s concept of “Excel.” The F3 Plus uses BYD’s self-developed, 1.5 Turbo-charged, Direct-injection, Dual Clutch engine and incorporates, as a standard feature, the break-through “Remote Driving Controller” technology—a first for a mass production vehicle.

The Remote Driving Control technology allows many driving functions to be performed remotely with a specially design remote “key.” With the key in their hands, the driver can start the car, move it forward or back, turn left and right, and travel at a restricted speed all by itself, without the driver being inside the vehicle. It is a perfect solution when the parking space is not wide enough for the driver to exit the car once parked. In windy and rainy weather, drivers can remotely move their car for easy entrance.

**Check our videos section for a demonstration.**

Source: BYD.

## Auto China 2012

### Hyundai to launch Blue Link telematics on Elantra (Langdong)



Hyundai Motor Company, whose joint venture in China is celebrating its 10th anniversary this year, has unveiled its China-exclusive Elantra (“Langdong”) at the 2012 Beijing International Automotive Exhibition.

Langdong, which can be translated as a “dynamic (car) for the young, new generation,” is based on Hyundai Motor’s best-selling and multi-award winning Elantra.



Hyundai will introduce its advanced Blue Link infotainment system to Langdong. Blue Link offers a wide variety of features such as safety and maintenance alerts, navigation and remote control, all with minimum driver distraction. Starting from the first half of this year, Hyundai plans to expand its lineup of cars in China that offer the Blue Link service.

Inside, premium features include a navigation system, dual-zone and fully automatic air conditioning; ventilated, fully adjustable power seats with seat heaters, an LCD instrument display and push-button start.

Source: Hyundai Motors.



## Telematics and infotainment

## Top stories

In 17 years, one hard-working... In 17 years, one hard-working... In 17 years, one hard-working... In 17 years, one hard-working...

**439,000** connections... **439,000,000** connections... **9,000,000** connections... **100,000** connections...

**OnStar**

**1 Million**  
Emergency Services

**191 Thousand**  
Automatic Crash Response

**581 Thousand**  
Good Samaritan Calls

**29 Million**  
Roadside Assistance

**589 Thousand**  
Stolen Vehicle Assistance

**94 Million**  
Turn-by-Turn Routes Delivered

**213 Million**  
Vehicle Diagnostic Emails Sent

**4.9 Million**  
On-Demand Diagnostics

**58 Million**  
Remote Door Unlocks

**85 Million**  
OnStar Mobile App Requests

## OnStar shows Skype, Twonky & more in the car using 4G LTE



Combined with the power of 4G LTE, OnStar is looking to take vehicle connectivity to a whole new level in the future with Skype, Twonky and others being demonstrated in a Chevrolet Volt research vehicle.

The conceptual in-car infotainment system, developed by OnStar in partnership with Verizon, provides access to the Cloud through the Verizon 4G LTE network.



The research vehicle has three different content 'zones'; the driver can stream music, while rear passengers can control their entertainment from screens mounted on the headrests. With everyone in their 'zone' passengers can create the ride they are looking for, or share content with other passengers. It doesn't come more custom, or cool than that.

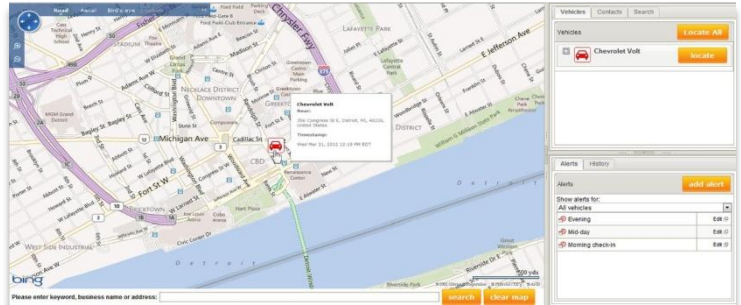
Additionally, OnStar built on its work with Smart Grid technology to create an at home control system. The connection provides control of a home thermostat, lights, garage door and other systems through the in-vehicle energy management app.

While the applications shown in the Volt research vehicle are only conceptual, they demonstrate future opportunities powered by OnStar.

Already today, OnStar RemoteLink mobile application gives owners of select Chevy models the opportunity to access remote vehicle information and services from their phone. Chevy Volt owners can start their vehicle remotely, control the door locks, check the diagnostics and more from nearly anywhere – a totally connected world that puts driver in control.

Source: Chevrolet.

## US: OnStar to launch Family Link tracking package in mid-April



OnStar has announced the launch of Family Link, a new service that will allow subscribers to stay connected to their loved ones when driving an OnStar-equipped vehicle.

Family Link is an optional service that includes two key features:

- **Vehicle Locate:** Subscribers can log onto the Family Link website to view a map with the vehicle's location at any time.
- **Vehicle Location Alert:** Subscribers can set up email or text message notifications to let them know the location of their vehicle. They can choose the day, time and frequency of the alerts.

Family Link is OnStar's first a la carte service. Subscribers can add it to any existing OnStar package for \$3.99 per month.

Family Link begins a phased launch in mid-April with select subscribers invited to sign up. More subscribers will receive an invitation in June.

The service will roll out to all U.S. subscribers throughout the year.

Access to the Family Link website requires an OnStar user name and password. Only the subscriber with access can locate a vehicle or request alerts.

To use Vehicle Locate, subscribers log onto the Family Link website and navigate to the Vehicles tab and click on Locate. Once the vehicle has been located, the vehicle's icon will be shown on the map. Additional location details can be seen by hovering over the vehicle.

To set up a Location Alert, subscribers can log on to the Family Link website and navigate to the Alerts tab and click on Add Alert.

The subscriber can request the day of week and time to receive an alert, as well as notification preference: text, email or both. Location Alerts will include the address the vehicle is near as well as the date and time.

Source: General Motors.

## US: Mercedes-Benz to offer WiFi hotspot from Autonet as accessory



**Autonet Mobile's Wi-Fi entertainment system allows passengers to bring their iPads, laptops and other Wi-Fi-enabled devices into the vehicle for safe online access while on the road.**

The new Mercedes-Benz In-Vehicle Hot Spot, powered by Autonet Mobile, is an accessory available for all current (MY12 and older) C, E, S, M, R and GL-class vehicles and can be purchased and installed at authorized Mercedes-Benz dealerships.

The In-Vehicle WiFi Hot Spot is enabled by a router securely installed in the vehicle trunk and allows up to four devices to connect at once.

The Mercedes-Benz In-Vehicle Hot Spot can be ordered with new vehicles or installed in existing models and comes with a six-month complimentary service, courtesy of Autonet Mobile. After the initial six-month complimentary service, Autonet Mobile offers convenient additional services that customers may choose from.

Source: Autonet Mobile.

## eCall again ~ Now MEPs say Private eCall is not good enough



An article on the European Voice website says that according to a report presented to the European Parliament's transport and internal market committees, Private eCall is not good enough due to poor market penetration.

The report, by Olga Sehnalová, a Czech MEP (Member of European Parliament), and Dieter-Lebrecht Koch, a German MEP, says that Public eCall should be required even if the vehicle is fitted with a system that calls a private dispatcher.

The article continues to state that eCall is currently stalled because of a conflict over whether there should be an exemption for vehicles that call private dispatchers. Car-makers are concerned that the investments they have made in their own emergency-call centres will be rendered obsolete.

But the MEPs' report says that private dispatchers currently have a market penetration of less than 0.4% in the EU, and none of them provide EU-wide coverage.

Source: European Voice

## HARMAN signs \$500M infotainment deal with Chinese and Indian OEMs

HARMAN has announced that it has finalized multi-year agreements with Geely Motors and BAIC Motors of China and Tata Motors of India to feature the Company's branded audio and infotainment systems.

The new agreements were announced in conjunction with the Beijing Auto Show, and follows new HARMAN business awards

from six different Chinese automakers in the past year.

HARMAN is well on-track to deliver US\$1.5B in revenues by 2015 in the BRIC countries, where sales increased by 32 percent during the most recent fiscal quarter. The Company's employment in China and India has doubled during the past year.

Source: HARMAN.

## Garmin signs global OE in-dash navigation contract with Suzuki

Garmin has announced that it will provide a fully integrated, factory-installed infotainment system for most American 2013 model year Suzuki vehicles.

Garmin's infotainment system combines a 6.1-inch high-resolution touchscreen display with a full-featured infotainment platform, including AM/FM/CD radio, multi-media playback, backup camera support, Bluetooth hands-free connectivity, Pandora internet radio and Garmin navigation.

### Feature highlights

**Pandora** (via a connected smartphone): Allows users to easily browse and select their personalized radio stations, skip a track or give a song a thumbs-up or down.

**Navigation:** The system integrates Garmin's navigation and has access to vehicle speed sensors to provide precise location information even when a GPS signal is not available, for example in tunnels. When switching to other menus, such as the music player, navigation directions will continue and visual cues will be displayed at the top of the screen. Map updates can easily be downloaded to a SD card from a Garmin Web portal.

**Full voice control:** Users can control the system with voice commands for all the integrated functions, such as navigation, radio, CD player and Pandora.

**Connected services:** Real-time information, such as traffic, dynamic parking, weather and fuel prices, will be available through Garmin Smartphone Link. This app can easily link an Android phone to the Suzuki infotainment system via Bluetooth. It utilizes the existing data connection of a smartphone to bring live services to the vehicle, so users don't have to pay for an extra data plan.

**Backup camera support:** When backing up, the system automatically displays the backup camera on the screen, so drivers get a better view of what's behind the vehicle.

The hardware of the Suzuki infotainment system is designed and built by Garmin and will be available for selected Suzuki vehicles in Australia and New Zealand, Europe, North America and Russia.

Source: Garmin.

## Garmin opens auto OEM offices in Shanghai, Stuttgart & Yokohama



Garmin has announced that it has opened new offices in Shanghai (China), Stuttgart (Germany) and Yokohama (Japan) to support its growing presence in the automotive OEM market.

The new offices are in close proximity to leading car manufacturers and top-tier automotive suppliers and will host a dedicated staff of Garmin associates who specialize in automotive OEM sales, marketing, product development and engineering. The announcement comes on the heels of Garmin's recent opening of a dedicated automotive OEM office in Detroit.

Garmin's new offices are of strategic value for the company's automotive OEM group. The new locations will support Garmin's efforts to not only provide navigation software and integrated portable navigation systems to the automotive industry but to utilize its experience in hardware, user interface and software development to provide fully-integrated infotainment and telematics systems. Garmin announced its first factory-installed in-car infotainment system for selected 2013 model year Suzuki vehicles at the New York International Auto Show 2012.

Source: Garmin.



## Japan: Toyota, Nissan and Honda to help create traffic maps

### Excerpts from Yomiuri:

Three major automakers plan to join an initiative to create online road traffic maps in preparation for future disasters, according to a nonprofit organization.

In the Great East Japan Earthquake last year, widespread confusion resulted after road networks were seriously disrupted.

ITS Japan, an NPO that promotes research and development for road transportation systems, will create online road maps based on information collected from the carmakers' members-only services and other companies. The road maps would carry integrated data from different sources, it said.



If such a system is used during a disaster, ITS Japan would be able to find out which roads are accessible based on data collected from car navigation systems.

In addition to Toyota Motor Corp., Nissan Motor Co. and Honda Motor Co., car-navigation manufacturer Pioneer Corp. will participate in the initiative. Isuzu Motors Ltd. and three other truck makers may also join.

The initiative is intended to prepare for future disasters such as an earthquake that has been predicted to occur under northern Tokyo Bay. The government has estimated up to 11,000 people would be killed in this envisaged quake.

The online traffic road map would show accessible roads in blue and inaccessible roads in red.

ITS Japan also plans to create a system to swiftly inform government bodies, including the Fire and Disaster Management Agency, and local governments, of updates on the map to assist disaster recovery and rescue activities.

Following the March 11 disaster, some companies offered ITS Japan traffic information individually, while four firms joined hands to release data. However, due to a lack of preparation, the data were not used widely.

*Courtesy: Yomiuri Japan.*

## INRIX traffic powers 20 OEMs including 4 with 2-way connectivity

INRIX has announced the number of customers across its automotive, mobile and public sector businesses has doubled in the last year establishing the company's crowd-sourced traffic network as the largest in the world.

In the last 12 months, INRIX signed deals with more than 50 new customers.

Automotive: INRIX's real-time traffic information is used by 20 automakers worldwide. In addition to Ford, next generation two-connected navigation systems from Audi, Toyota and BMW Europe debuted with customized INRIX traffic intelligence and connected driver services. With gas prices soaring worldwide, Audi owners benefit from INRIX's fuel price services for navigation to the closest, least expensive gas station.



Mobile: Eight of the top 12 grossing iPhone navigation apps with traffic in North America including ALK, Garmin, MotionX, NAVIGON and TeleNav are powered by INRIX. In Europe, INRIX traffic intelligence fuels mobile apps from Bosch, Garmin, NAVIGON, Sygic and Telpap. The company's INRIX Traffic App is one of the Top 10 most used navigation apps and the only traffic app that integrates with JVC and Pioneer's in-car multi-media receivers.



Public Sector: Twenty-five U.S. State Departments of Transportation are using INRIX traffic information in their daily operations, traveler services or congestion performance measures. In 2012, new projects in Virginia and Ohio in North America as well as England, Scotland, Germany and Austria are using INRIX traffic data and analytics to drive insight that helps them build manage and measure the performance of their road networks at less cost.

*Source: INRIX.*

## iGO Primo Southeast Asian iPhone navigation app launched



NNG has announced the launch of its Southeast Asian edition of its iPhone navigation app that covers Brunei, Indonesia, Malaysia, Thailand and Singapore.

For 19.99 USD iPhone users can download the new region, enjoying the popular navigation application during their daily commutes and travels through five Asian countries.

Powered by the tried-and-trusted iGO Engine, the iGO primo app has already convinced millions of users in other countries.

Next to an impressive range of features such as Google local search, calling of POIs (Points of Interest) from within the app, Realistic Junction Views and 3D landmarks, the app offers the free use of Tom Tom maps for the first 30 days. Following this trial period the user can choose between downloading the free community maps by MalFreeMaps.com and Navigasi.net and purchasing the classic mapping solution from the in-app purchase menu.



Other popular features include:

- Multi-point route support
- Fast, short, easy-to-follow and green routes
- Automatic route recalculation
- In-app shop with additional items, such as safety cameras

Source: NNG.

## New steering wheel vibration concept for navigation HMI by AT&T Labs

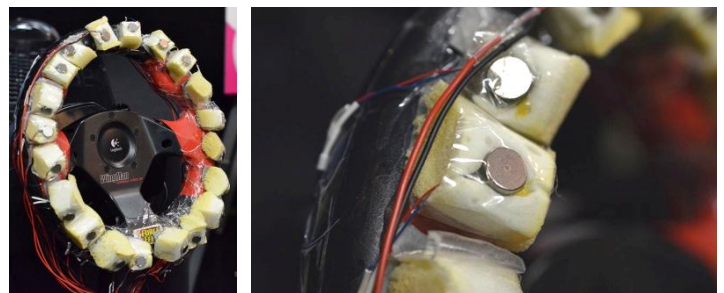
*Excerpts from Technology Review:*

Distracted driving kills an estimated 3,000 people yearly in the United States, triggering calls for bans on one of the causes, mobile phone use in vehicles. In response, the wireless industry is ramping up its anti-distraction efforts. Now, AT&T Labs is contributing with a vibrating steering wheel that promises to deliver navigation information to drivers more safely than on-screen instructions or turn-by-turn GPS commands.

In the prototype, a clockwise pattern of vibrations on the steering wheel means “turn right”; counterclockwise means “turn left.” The wheel’s 20 actuators can fire off in any pattern. And while the initial focus has been on improving delivery of GPS navigation instructions, other applications are under development, such as notifying drivers if cars are in their blind spots.

The technology underlying these tactile cues is known as haptics.

A study of the gadget in driving simulators, by AT&T Labs researchers and collaborators at Carnegie Mellon University, found that it provided clear benefits: participants’ eyes stayed on the road longer. When younger drivers—with an average age of 25—used the haptic steering wheel along with the usual visual



and auditory methods of receiving navigation instructions, their inattentiveness (defined as the proportion of time their eyes were off the road) dropped 3.1 percent.

That study did not find any benefit for older drivers, but a different one did. When haptics were added to auditory-only instructions, the inattentiveness of older drivers (above age 65) dropped 4 percent.

Overall, “by adding the haptic feedback we can lead to more attentive driving,” says SeungJun Kim, a computer scientist at Carnegie Mellon who participated in the study. The paper has not yet been published, but it will be presented this June at this conference.

Courtesy: Technology Review

## China: BMW launches in-car apps using smartphone integration



At Auto China 2012, BMW ConnectedDrive presented the option Apps for customers on the Chinese automobile market.

The solution works similarly to BMW Apps in western markets and, using the “BMW Connected app”, allows owners of an Apple iPhone to use the social network services **Kaixin** and **SinaWeibo** in the vehicle.

Moreover, the “BMW Connected” app includes use of the iPhone’s appointments diary function in the vehicle. Appointments can be presented on the vehicle display and managed conveniently via the BMW iDrive system.

Source: BMW.

Telematics News has also discovered that Baidu, China’s most popular search engine, has been granted access to a BMW API that has allowed them to integrate the Baidu Ting music streaming app with BMW’s head unit via smartphone integration.

This is the first time BMW has enabled a direct 3<sup>rd</sup> party app integration in China.

## China: Ford SYNC gets Mandarin support; Baidu & QQ app integration



Ford is giving Chinese drivers easy in-car access to key elements of the popular Baidu ting and QQ Music applications through the voice-activated Ford SYNC system, available in Mandarin in the New Focus.

With the latest extension of SYNC’s capability, customers will be able to listen to their favourites on the Baidu ting and QQ Music apps while driving, as long as they have a compatible phone.

Research has shown that well over 60% of C-car owners (e.g.: New Focus) in China own a smart phone and over 70% of smart phone owners have Music “Apps” on their phone. More and more drivers are listening to music from their mobile phones, with an increasing number streaming music from their smartphones while on the road.

Drivers of the New Focus can access the music in the apps through the USB port or via Bluetooth streaming and use either vehicle controls or voice control to provide base commands for the apps. SYNC can even inform the driver of the song that is currently playing with the “What’s this?” command and display music information on the screen.

Source: Ford.

## Kia showcases infotainment concept with app store

Kia's IVI concept is designed to be a hub of information and entertainment. It is capable of delivering satellite navigation, entertainment playback, wireless charging for smartphones or tablet PCs and networked computer functions – all from a single unit.



The concept features five main menu items – navigation, media, music streaming, smart device interlock and app store – operated through a combination of a 10.6-inch multi-touch screen located in the centre console, steering wheel controls and in-car voice recognition software.

A second 11.1-inch screen on top of the dashboard displays directions from the innovative Augmented Reality Navigation (ARN) system, plus driver-customized widgets (providing weather, news and financial market updates) and information regarding the heating, ventilation and air-conditioning system.

## Chevy MyLink system gets smartphone navigation with GogoLink



General Motors will soon sell a smartphone application that could replace a dashboard navigation system.

The company has announced recently that the app, called GoGo Link, will project smartphone navigation systems onto a dashboard touch screen. Drivers can control the system with the touch screen and listen to voice directions through the car's speaker system. The screen also will show maps.

GogoLink is an embedded smartphone application that delivers full-function navigation – including live traffic updates – through the vehicles' MyLink infotainment system.

Source: General Motors.

**GogoLink navigation includes:**

- Emergency services information
- Thousands of points of interest
- Google Local Search
- Where am I? locator
- Live traffic
- 3-D maps
- Store maps on smartphone



## In-car smartphone integration patent awarded to Blitzsafe



*Excerpts from CE Outlook:*

A patent that covers many wireless and voice recognition smartphone connections to a car radio or video system has been awarded to Ira Marlowe the owner of Blitzsafe, a car interface manufacturer.

The patent, issued on April 10, addresses car radios with the ability to connect to a cell phone wirelessly to view and control apps or web browsing via the radio.

The patent called "Multimedia Device Integration System," was filed in 2006.

"It applies to cellular phones that would have apps and you can use the LCD display of the car stereo or video system as an Internet browser so the phone becomes a conduit. This applies to an OE or aftermarket radio that links to the cellular telephone, where the phone is controlled through the car stereo system wirelessly," said Marlowe.

He would not make any statements regarding enforcing the patent, but added, "The patent is very forward looking. It's the direction that most vehicle manufacturers will be going in, if not all manufacturers....everyone has one device in their pocket that they utilize, and people are only going to want to have one service. That's what we address."

Marlowe Holdings owns other patents regarding car audio and has sued Ford under a patent entitled "Audio Device Integration System." The Ford case is still pending.

*Courtesy: CE Outlook*

## Wind River releases software tools for in-car Android development

### WIND RIVER



Wind River has expanded its portfolio of Android offerings with the introduction of automotive-market specific software. Wind River Solution Accelerator for Android, Automotive helps in-vehicle infotainment (IVI) device manufacturers shorten the development time of high-quality Android-based IVI systems.

Key features of Wind River Solution Accelerator for Android, Automotive include enablement of iPod/iPhone/iPad docking for rich multimedia capabilities, a customizable user interface that can be modified by the consumer, and FM radio capabilities.

The Wind River Solution Accelerator for Android portfolio of software offers developers a catalog of validated applications and middleware components from which they can pick and choose software elements to fill gaps in expertise and immediately integrate complex, differentiating features.

By combining Wind River Solution Accelerators for Android with Wind River support and expert custom engineering services, customers can equip themselves with a high level of flexibility, choice and commercial Android expertise as they create Android-based products optimized for their market specific needs. The addition of the automotive software builds on Wind River's efforts to develop Android components to serve specialized technology and vertical market needs.

*Source: Wind River*

## US Study: Travel services popular amongst smartphone users

comScore has released a U.S. study on mobile travel activities based on data from the new comScore Travel Advisor report. The results indicate that 51 percent of smartphone owners accessed travel content on their devices during the three month period ending February 2012, with nearly 1 in every 5 smartphone owners using their device to book air travel or hotel reservations.

During the three month period ending in February 2012, 51 percent of the smartphone audience accessed air and/or hotel content on their device, with 4 in every 5 mobile travelers accessing both air and hotel content. The most popular air travel-related mobile activity was checking airfare prices, in which 26 percent of all smartphone users engaged. Smartphone users were nearly as likely to look up an airline phone number, flight schedules, and check a flight's status, each of which was conducted by 25 percent of the audience.

While many of the most popular behaviors were consumers seeking information, they also engaged in transactional behavior. 21 percent of smartphone consumers checked in for a flight on their device, while 18 percent booked a flight on their smartphone and 10 percent cancelled a flight.

Source: comScore.

Top Mobile Air Activities while Planning a Trip or Traveling During Previous Three Months February 2012	
Total U.S. Smartphone Subscribers Ages 18+	
Source: Custom Mobile Travel Advisor Survey	
	% of Smartphone Owners
Checked airfare prices	26%
Looked up a phone number (i.e. airline)	25%
Looked at flight schedules	25%
Checked a flight status (arrival/delays)	25%
Looked up airport information	24%
Checked in for a flight	21%
Received price alerts for flights	19%
Booked a flight	18%
Received SMS alerts for a flight status	17%
Tracked the status of a checked bag	13%
Cancelled a flight	10%

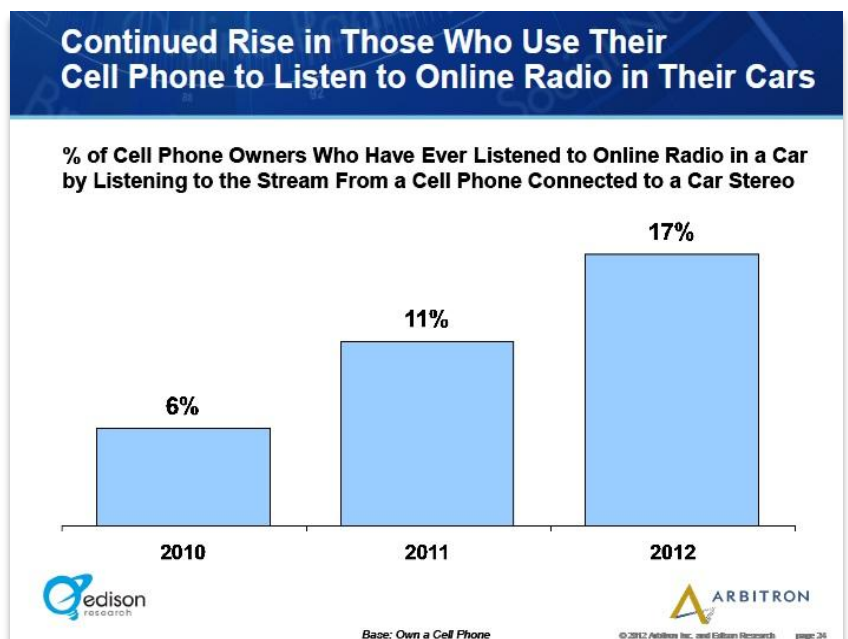
## US study: In-car internet radio listening increases by 50%

The weekly audience of all forms of online radio is now at an estimated 76 million Americans age 12 and older, reaching 29 percent of the population and representing an increase of more than 30 percent from one year ago according to the new national survey from Arbitron and Edison Research, The Infinite Dial 2012: Navigating Digital Platforms.

Among the many other findings:

- Forty-four percent of all Americans age 12 and over own a smartphone, representing half of all cell phone owners
- Six in ten (61 percent) own a portable digital media device such as a smartphone, portable MP3 player or tablet; 40 percent own an Apple device (iPod/iPhone/iPad)
- Americans age 45 and older represent the largest percentage increase in social media usage in the past year, now up to 38 percent (from 31 percent in 2011)
- Seventeen percent of all cell phone owners have listened to online radio streamed in their cars by connecting their phones to their car stereo system; this is an increase of more than 50% in the past year when only 11 percent had ever done so
- Fifteen percent are registered users of daily deals services such as Groupon and LivingSocial

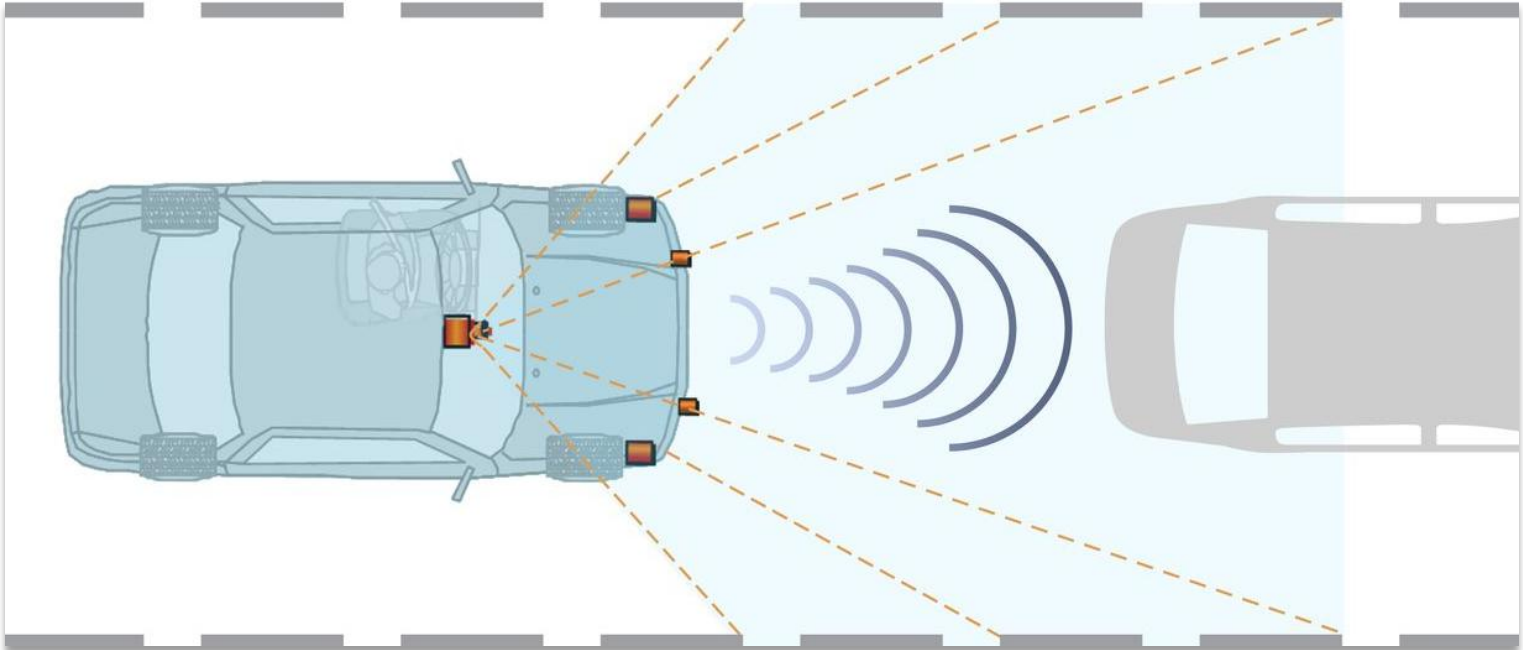
Source: Arbitron and Edison Research.



## US: Cadillac working on ‘Super Cruise’ ~ next-gen cruise control

Cadillac is road testing a semi-autonomous technology it calls “Super Cruise” that is capable of fully automatic steering, braking and lane-centering in highway driving under certain optimal conditions. The system could be ready for production vehicles by mid-decade.

Super Cruise is designed to ease the driver’s workload on the freeway, in both bumper-to-bumper traffic and on long road trips by relying on a fusion of radar, ultrasonic sensors, cameras and GPS map data.



Many of the building block technologies for Super Cruise are already available on the all-new 2013 Cadillac XTS and ATS luxury sedans, as part of the available Driver Assist Package. It is the first Cadillac system to use sensor fusion to provide 360 degrees of crash risk detection and enhanced driver assist features, **including:**

- Rear Automatic Braking
- Full-Speed Range ACC
- Intelligent Brake Assist
- Forward Collision Alert
- Safety Alert Seat
- Automatic Collision Preparation
- Lane Departure Warning
- Side Blind Zone Alert
- Rear Cross Traffic Alert
- Adaptive Forward Lighting
- Rear Vision Camera With Dynamic Guidelines
- Head Up Display



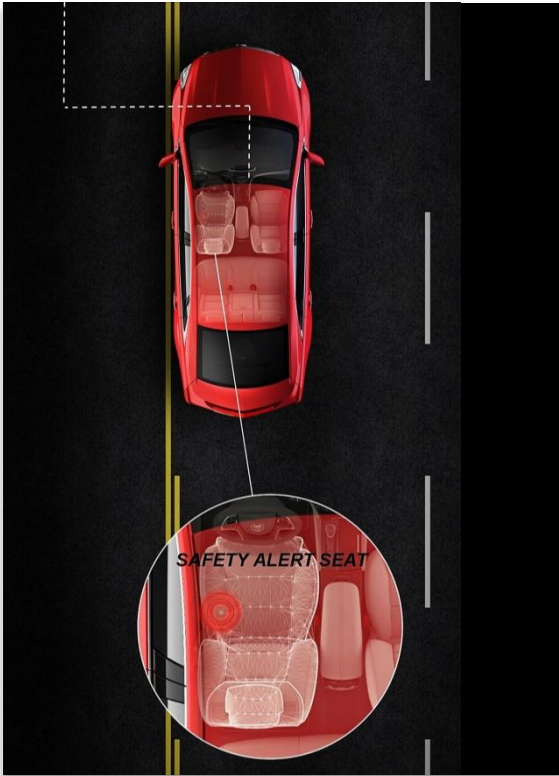
The key to delivering semi-autonomous capability will be the integration of lane-centering technology and GPS map data to detect curves and other road characteristics.

Even when semi-autonomous driving capability is available on vehicles, the system will have operational limitations based on external factors such as weather and visibility of lane markings. When reliable data is unavailable, the driver will need to steer.

In a study funded by the Federal Highway Administration, some participants expressed strong interest in having a vehicle that could drive itself, particularly for long trips when lane centering and full-speed range ACC could help lighten the driver’s workload.

Source: General Motors.

## Cadillac launches seat vibration alert for ADAS on the new XTS



When the all-new Cadillac XTS luxury sedan begins production this spring, it will be the industry's first car to use directional tactile sensation – vibrations of the driver's seat bottom – to warn of crash threats while driving and parking.

The patented Cadillac Safety Alert Seat generates vibrating pulse patterns on the left and/or right side of the lower bolster to alert the driver of potential dangers, such as drifting from a traffic lane or toward nearby objects while parking. Threats from the front and rear trigger pulses on both sides of the seat.

The system works in tandem with other visual alerts, and research shows that it can quickly and accurately focus driver attention to the direction of potential dangers.

The Safety Alert Seat works with a variety of sensors and cameras installed in the car that help "intelligently" decide when to activate warnings. For example, if a turn signal is on, lane departure warnings are not presented.

Safety Alert Seat vibrations can be selected by the driver, via an in-vehicle menu, to replace the audible beeping alerts used across much of the industry.

The seats also will be connected to the XTS Park Assist system and Rear Cross Traffic Alert system to help make parking in tight spaces easier.

Source: General Motors.

## All-new Volvo V40 loaded with ADAS; Includes pedestrian airbag tech

The new features in the all-new Volvo V40 include a world-first Pedestrian Airbag Technology, Lane Keeping Aid with haptic auto steering, an ingenious Park Assist Pilot, automatic Road Sign Information, Active High Beam and a Cross Traffic Alert radar system at the rear.

The all-new V40 also features the Pedestrian Detection with full auto brake - as well as the City Safety further developed low-speed collision avoidance system which now operates at speeds up to 50 km/h.

### Pedestrian Airbag Technology - a world first

Sensors in the front bumper register the physical contact between the car and the pedestrian. The rear end of the bonnet is released and at the same time elevated by the deploying airbag.

The inflated airbag covers the area under the raised bonnet plus approximately one third of the windscreen area and the lower part of the A-pillar.

The raised bonnet and airbag will help reduce the severity of pedestrian injuries.

### Enhanced Blind Spot Information System

The V40 is the first Volvo to offer the enhanced Blind Spot Information System (BLIS), which is radar-based. The technology can now also monitor and alert the driver to rapidly approaching vehicles up to 70 m behind the car. Of course it still informs the driver about vehicles in the blind spots on both sides of the car.

The enhanced BLIS is based on radar sensors located in the rear corners of the car, behind the bumper cover. The radars continuously scan the area behind and alongside the vehicle.



Source: Volvo.

## Subaru announces new 'EyeSight' ADAS with CCD cameras

Subaru will introduce its brand new EyeSight driver assistance system on its 2013 Legacy and Outback 3.6R Limited Package models later this year.

Combining safety and convenience features, the Subaru EyeSight system will be one of the most affordable such technologies available in the North American market. Unlike other manufacturers who only introduce this system in top-end models, Subaru's plans to incorporate EyeSight in its intermediate, mid-size segment will further enhance an already value-packed offering.

EyeSight uses two charge-coupled device (CCD) cameras developed by Subaru. EyeSight is mounted inside the car on the upper edge of the windshield, thus reducing the potential for damage that could occur in bumper-mounted systems, such as radar. The EyeSight system processes stereo images to identify the vehicles travelling in front, as well as obstacles, traffic lanes and other items.



### Pre-Collision Braking Control and Collision Mitigation

At relative speeds under approximately 30 km/h, the system can detect obstacles in the car's path and, if the driver has not applied the brakes in time, the system can act to slow the vehicle or bring it to a full stop. At relative speeds above approximately 30 km/h, EyeSight will mitigate potential damage from a collision.

### Lane Departure and Sway Warning

By monitoring traffic lane markers and lines, the Subaru EyeSight system can detect if the car begins to wander outside the intended lane, or if the car begins to sway within the travel lane.

### Adaptive Cruise Control

Intended for highway use, Eyesight's Adaptive Cruise Control system can maintain a safe distance from the vehicle in front, braking and/or accelerating the car as needed to maintain the driver-selected target speed and travelling distance. Adaptive Cruise Control is operational from 40-145 km/h and can continually brake until the vehicle stops if the system "locks on" to a vehicle ahead.



### Additional EyeSight Benefits

In heavy traffic conditions, EyeSight can alert the driver when the vehicle ahead has moved if he or she doesn't react within several seconds. It can also help reduce collision damages by cutting the throttle when it senses an obstacle in front, but the accelerator pedal continues to be pushed. The system is also effective when a driver shifts into Drive inadvertently instead of Reverse when backing out of a parking space, providing the system has been turned on for at least 10 seconds.

Source: Subaru.

## US: Chrysler to offer in-car wireless charging for \$200



Chrysler will launch wireless charging on the all-new 2013 Dodge Dart to be on sale in the second quarter of this year.

For easy access, a seamlessly integrated power bin, measuring 8.27 inches by 9.5 inches by 3.25 inches, is installed just below the center stack and in front of the center console. The bin has a built-in charging grid that is activated when customers place in their battery-powered device. The unit begins to charge when the vehicle is started. A phone case, specifically designed for a variety of smartphones, is required and included with the feature.

Mopar in-vehicle wireless charging is available for \$199.99, plus installation.

Source: Chrysler.

## New Opel Insignia features Magna ADAS system 'EYERIS'



Magna has announced that the EYERIS electronic vision system developed by its Magna Electronics operating unit is being installed on the 2012 Opel Insignia in the most feature-rich application of the system to date.

Among a host of state-of-the-art technologies, the Insignia includes a driver assistance system that provides six distinct safety features to drivers: Traffic Sign Recognition, Lane Departure Warning, Following Distance Indication, Forward Collision Alert, High-Beam Assist and Intelligent Light Ranging.

With a video camera mounted behind the windshield and an advanced image processor, the technologies incorporated into the Insignia are able to detect and analyze the vehicle's surroundings.

While the previous-generation Insignia also had a camera, the current model has expanded the menu of safety features from two to six, and it's now among the first cars in Europe to provide Forward Collision Warning through a camera-based system.

Magna's EYERIS system has also launched on Chevrolet/GMC vehicles in North America and Daewoo vehicles in Korea, with several additional GM brands launching in the future, including Vauxhall's Mokka SUV and Astra VXR, which made their world debuts in Geneva.

EYERIS electronic vision systems by Magna Electronics offer a comprehensive portfolio in innovative and intelligent driver assistance systems. The integration of various camera systems optimizes vehicle performance while increasing the safety and driving comfort of the end user.

EYERIS technologies are globally manufactured with scalable features and minimal packaging, which enables applications in various vehicle segments.

Source: Magna.

## Parrot powers Bluetooth tethering hardware for a German car maker



**Parrot** Parrot has announced that its OEM technology is integrated into a new vehicle platform by a major German car manufacturer, already a Parrot customer.

The models equipped within this project are hatchbacks, coupés and sedans. The Parrot solution is currently available in cars sold in Europe before expanding to other markets during 2012.

This solution includes state-of-the-art hands-free telephony features. It can handle and synchronize a phonebook containing up to 5.000 contacts. It is able to pair with four different mobile

phones. Besides, it manages a mobile internet connection using the customer's phone via the DUN and PAN protocols. This internet access is used to run the manufacturer's telematics services.

"Parrot currently supplies the majority of German car manufacturers. With this new introduction, we are glad to extend the implementations of Parrot technology within the Premium cars market, with best-in-class compatibility and easy-to-use features." said Eric Riyahi, Executive VP at Parrot.

Source: Parrot.

### Top videos this month

[www.youtube.com/telematicsnews](http://www.youtube.com/telematicsnews)



BYD remote controller for the car



Luxoft iviLink ~ In-car smartphone connectivity platform



Chevy MyLink system with GogoLink smartphone navigation



TeleNav HTML5 navigation solution



OnStar and Verizon's 4G LTE concept



Peugeot Connect Apps ~ Complete Walkthrough

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# Telematics Detroit 2012

June 6-7, The Suburban Collection Showplace, Novi, MI, USA

Organized by



FEATURED



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19 – 20 June

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