

# Product Announcement Coach MediaRouter



**BOSCH**  
Invented for life



Impression (draft)

- ▶ Provides powerful broadband internet access and Wi-Fi hotspot service
- ▶ Media server allows music, images and video files to be streamed
- ▶ Mobile devices will be easily connected via Universal Plug & Play (UPnP)
- ▶ Make your coach to be a mobile Wi-Fi hotspot

### Cruising by bus in an interconnected world

In today's time people are used to be always online. That is why public road transport wants to provide internet access to the passengers of coaches and busses. This is a trend driven by the availability of capable broadband services in mobile cellular networks.

Bosch's Coach MediaRouter will operate as a link between the inside and the outside world of a coach. Within the cabin the device will provide internet access to passengers. Passengers will be able to get access to a Wi-Fi hotspot by using their mobile devices to browse the internet or to do social networking while riding. So, within the cabin the router will act as a Wi-Fi access point (AP).

Connections are also routed to the internet by using broadband cellular network telecommunication services. Thus, the devices will come with a connectivity module integrated using 4G (LTE) technologies. To enlarge bandwidth on all radios the router will provide capabilities multiple devices to share resources in a distributed network.

The device is also intended to be used for deploying multimedia content wirelessly to the passengers. Media server service allows music, image and video files on the local storage to be played back by compatible client devices (streaming). The devices will automatically communicate via Universal Plug & Play (UPnP).

### Milestones

Coach MediaRouter	
A sample	available
B sample	available
C sample	June 2014
D sample	September 2014
Start of Production	October 2014

### Ordering Information

Item Codes		
Coach MediaRouter EU		7.620.320.029
Accessories		
MIMO Antenna	mandatory	No Bosch part
GNSS Antenna	optional	No Bosch part

All efforts have been made to ensure the accuracy of material provided in this document at the time of release. However, the items described in this document are subject to continuous development and improvement. All specifications are subject to change without notice and do not represent a commitment on the part of Robert Bosch Car Multimedia GmbH. This publication is not subject to any update service.

**Features**

Coach MediaRouter	
Wi-Fi hotspot services	
Broadband cellular network services	
Media server (UPnP) allows multi-format media content to be streamed	
Dual SIM handling; enhanced provisions to manage roaming scenarios automatically	
GNSS receiver enables location based services	
Sharing hardware resources in cascading mode when using multiple router devices in a common IP network	
WebServer to be the device configured easily	
Remote administration capabilities	

**Hardware Interfaces**

Connectors	
Multipurpose	TE nanoMQS (32 pin)
GNSS Antenna	FAKRA (blue)
MIMO Antennas	FAKRA (red)
USB (front side)	USB 3.0 standard
USB (rear side)	HSD (blue)
Ethernet	HSD (black)

**Technical Specifications**

Coach MediaRouter	
Operating voltage	12/24 VDC
Cellular Networks	LTE/HSPA+/EDGE/GPRS/GSM
LTE	800/900/1800/2100/2600 MHz
HSDPA	850/900/2100 MHz
GPRS	850/900/1800/1900 MHz
Wi-Fi	802.11a/b/g/n; 2.4GHz
Storage temp.	- 40°C to + 85°C
Operating temp.	- 20°C to + 70°C
Operating humid.	10% to 90%
Ingress protection	IP30
Dimensions	150 x 110 x 30mm
Weight	<500 g

