



TECHNICAL PRODUCT INFORMATION - TRUCK

Transmitter System (Product)	Frequency band [Hz]	Maximum output power [W]	Manufacturer
ANTENNA			
Aerial GPS and Cellular Antenna	1,57542 GHz \pm 1.023 MHz, (L1-band)	Not Applicable	Hirschmann Car Communication
GPS Antenna Toll Collect	1,57542 GHz \pm 1.023 MHz, (L1-band)	Not Applicable	Hirschmann Car Communication
Multiantenna Housing Antenna Radio/GNSS/MBL	RADIO: AM 522-1710 kHz FM 87-108 MHz DAB/DAB+: Band III: 174-240 MHz GNSS: GPS 1571.42 - 1579.42 MHz GLONASS 16021610 MHz	Not Applicable	Desay SV Automotive Europe GmbH
Multiantenna Housing Antenna Radio Active	RADIO: AM 522-1710 kHz FM 87-108 MHz	Not Applicable	Desay SV Automotive Europe GmbH
Multiantenna Housing Antenna TV	Band III: 174-230 MHz Band IV 470-862 MHz	Not Applicable	Desay SV Automotive Europe GmbH
Multiantenna Housing Antenna TV, side mounted	Band III: 174-230 MHz Band IV 470-862 MHz	Not Applicable	Desay SV Automotive Europe GmbH
GNSS/LTE/WLAN Combo antenna Nimo	GPS: 1575.42 MHz 1602 MHz LTE: 704-960 MHz 1710-2690 MHz	WLAN & GSM: 10 W	LAT Funkanlagen
AUDIO SYSTEM			
AUS4 Standard radio	Bluetooth: 2.4 GHz WLAN: 2400-2483,5 MHz	Bluetooth: <10dBm WLAN: <20dBm	Harman/Becker



AUS3 (with Bluetooth	Bluetooth: 2.4 GHz	Bluetooth: < 10 mW	Robert Bosch Car Multimedia
AUS2 (with Bluetooth)	Bluetooth: 2.4 GHz	Bluetooth: < 10 mW	Robert Bosch Car Multimedia
CB radio Midland Alan 48 plus multi B	AM 90% / FM: 1,8 KHz ± 0,2 KHz	FM: 4W	Midland
Clarion Radio CZ215E	FM: 87.50 – 108.00 MHz MW: 531 – 1602 KHz LW: 153-279 KHz	Not Applicable	Clarion
Clarion Bluetooth/CD/USB/MP3 /WMA radio, model CZ315E	FM: 87.50 – 108.00 MHz MW: 531 – 1602 KHz LW: 153-279 KHz Bluetooth: 2.4 GHz	Bluetooth V2.1+EDR (2.4 GHz ISM frequency band) Power class 2 (4 dBm)	Clarion
CD Receiver with MP3 Playback and Front AUXIn: DEH-150MP	FM: 87.9 – 107.9 MHz AM: 530 – 1710 KHz	Not Applicable	Pioneer
CD RDS Tuner with WMA/MP3: DEH-150MPG	FM: 87.9 – 107.9 MHz AM: 530 – 1710 KHz	Not Applicable	Pioneer
Car stereo with RDS tuner, CD, USB and AuxIn: DEH-1900UB	FM: 87.9 – 107.9 MHz AM: 530 – 1710 KHz	Not Applicable	Pioneer
Car stereo with RDS tuner, CD, USB and AuxIn: DEH-1900UBG	FM: 87.9 – 107.9 MHz AM: 530 – 1710 KHz	Not Applicable	Pioneer
Car Stereo with RDS tuner, Bluetooth, USB and Aux-In. Supports iPod/iPhone Direct Control, Android: DEH-3900BT	Bluetooth: 2.4 GHz FM: 87.9 – 107.9 MHz AM: 530 – 1710 KHz	4 dBm	Pioneer



Car stereo with DAB/DAB+/RDS tuner, multicolour illumination, USB and Aux-In. DEH-4900DAB	FM: 87.9 – 107.9 MHz AM: 530 – 1710 KHz DAB/DAB+: Band III: 174-240 MHz	Not Applicable	Pioneer
Car stereo with multicolour illumination RDS tuner, CD, USB and Aux-in. DEH-X2900UI	FM: 87.9 – 107.9 MHz AM: 530 – 1710 KHz	Not Applicable	Pioneer
CD Tuner with Bluetooth, USB, DAB/DAB+ and Spotify: DEH-X7800DAB	DAB/DAB+: Bluetooth: 2.4 GHz FM: 87.9 – 107.9 MHz AM: 530 – 1710 KHz	4 dBm	Pioneer
Car stereo with Bluetooth, CD, USB and Aux-In: DEH-X8700BT	Bluetooth: 2.4 GHz FM: 87.9 – 107.9 MHz AM: 530 – 1710 KHz	4 dBm	Pioneer
Car stereo with DAB+ tuner, CD, USB and AuxIn DEH-X8700DAB	FM: 87.9 – 107.9 MHz AM: 530 – 1710 KHz DAB+: Band III: 174-240 MHz	Not Applicable	Pioneer
CD Tuner with Bluetooth, USB, DAB/DAB+ and Spotify: FH-X840DAB	DAB+ Bluetooth: 2.4 GHz FM: 87.9 – 107.9 MHz DAB/DAB+: Band III: 174-240 MHz	4 dBm	Pioneer
Car Stereo with AM/FM, Bluetooth, USB, DAB/DAB+ and Spotify: MVH-X580DAB	FM: 87.9 – 107.9 MHz AM: 530 – 1710 KHz Bluetooth: 2.4 GHz	4 dBm	Pioneer
Car Stereo with AM/FM, Bluetooth, USB, DAB/DAB+: DEH-S100UBG	DAB/DAB+: Band III: 174-240 MHz FM: 87.9 – 107.9 MHz AM: 530 – 1710 KHz Bluetooth: 2.4 GHz	4 dBm	Pioneer
Car Stereo with AM/FM, Bluetooth, USB, DAB/DAB+ and Spotify: DEH-S2000UI	DAB/DAB+: Band III: 174-240 MHz FM: 87.9 – 107.9 MHz AM: 530 – 1710 KHz Bluetooth: 2.4 GHz	4 dBm	Pioneer



Car Stereo with AM/FM, Bluetooth, USB, DAB/DAB+ and Spotify: DEH-S3000BT	DAB/DAB+: Band III: 174-240 MHz FM: 87.9 – 107.9 MHz AM: 530 – 1710 KHz Bluetooth: 2.4 GHz	4 dBm	Pioneer
Car Stereo with AM/FM, Bluetooth, USB, DAB/DAB+ and Spotify: DEH-S4000BT	DAB/DAB+: Band III: 174-240 MHz FM: 87.9 – 107.9 MHz AM: 530 – 1710 KHz Bluetooth: 2.4 GHz	4 dBm	Pioneer
Car Stereo with AM/FM, Bluetooth, USB, DAB/DAB+ and Spotify: DEH-S400DAB	DAB/DAB+: Band III: 174-240 MHz FM: 87.9 – 107.9 MHz AM: 530 – 1710 KHz Bluetooth: 2.4 GHz	4 dBm	Pioneer
Car Stereo with AM/FM, Bluetooth, USB, DAB/DAB+ and Spotify: DEH-X8700DAB	DAB/DAB+: Band III: 174-240 MHz FM: 87.9 – 107.9 MHz AM: 530 – 1710 KHz Bluetooth: 2.4 GHz	4 dBm	Pioneer
COMRADIO			
xm3003e (CB)	26.565-27.99125 MHz	4W AM / 4W FM	Stabo
xm5006e-R	26.565-27.99125 MHz	4W AM / 4W FM	Stabo
HANDSFREE			
Parrot CK3100 LCD	Bluetooth: 2.4 GHz	4 dBm	Parrot
NAVIGATION SYSTEM			
AVIC-F9880BT	Navigation: 1575.42 MHz Bluetooth: 2.4 GHz	4 dBm	Pioneer
AVIC-F9880DAB	Navigation: 1575.42 MHz Bluetooth: 2.4 GHz FM: 87.50 – 108.00 MHz MW: 531 – 1602 KHz LW: 153-279 KHz	4 dBm	Pioneer



FLEET MANAGEMENT SYSTEM – ROAD TRAFFIC COMMUNICATION

Road Traffic Communicator (RTC) for GSM/GPRS Operation	850/900/1800/1900 MHz	2W for 850/900 MHz (33dBm) 1W for 1800/1900 MHz (30dBm) 0.5W for 850 8PSK/900 8-PSK (27dBm) 0.398W for 1800 8PSK/1900 8-PSK (26dBm)	Actia
Road Traffic Communicator (RTC) for UMTS/HSPA Operation	800/850/900/2100 MHz	0.25W (24dBm)	Actia
Road Traffic Communicator (RTC) WIFI	2.4-5 GHz	13-50 mW (11-17 dBm)	Actia
Road Traffic Communicator (RTC) Bluetooth	2.4 GHz	5 mW (7dBm)	Actia

LOCKING AND ALARM SYSTEM

Immobilizer (XCVR + XPRD)	134 kHz (RFID)	-7,1 dBμA/m @ 3 m	Visteon
Alarm system, DCS	433 MHz (SRD)	1,0 mW (-9 dBm related to dipol)	Brose
LAS2/ECU Alarm	433,92 MHz	1 mW (0 dBm)	Stoneridge
LAS2/ECU Remote lock	433,92 MHz	1 mW (0 dBm)	Stoneridge
Remote Control	433,92 MHz	1 mW (0 dBm)	Stoneridge
Remote Control Cobra 350	433.125 – 434.725 Mhz	6 dBm	Schmidinger

DISTANCE SENSOR SYSTEM

DIS2	76.5 +/- 0.5 GHz	6,3 mW (8 dBm)	Delphi
------	------------------	----------------	--------

TAIL LIFT

Tail Lift Zepro	433.92 MHz	8 mW (9dBm)	Tele Radio AB
-----------------	------------	-------------	---------------

TYRE PRESSURE MONITORING SYSTEM (TPMS)

Sensor	433MHz (SRD)	<1 mW	Wabco GmbH
--------	--------------	-------	------------



ECU 250 kbps	433MHz (SRD)	1 mW	Wabco GmbH
ECU 500 kbps	433MHz (SRD)	1 mW	Wabco GmbH