



**Model: GEN3 BASE BC7**

**Automotive Infotainment Unit with Bluetooth**

**Product Description**

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**Revision 2**

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## Revision History

Revision	Date	Description
0	25APR2016	Initial release.
1	21OCT2016	Updated operational temperature.
2	19JAN2017	Removed all references to GPS.

## Operational Description

This device is intended to be installed in a passenger vehicle and powered by the vehicle's main battery. The device is an original equipment manufacturer (OEM) application and is installed by the OEM during vehicle assembly. Device is not available by normal means in the consumer market. Power harness is supplied by the vehicle manufacturer.

This device is a centralized control console integrating USB, radio tuner receiver, Bluetooth radio for connecting to mobile phones with Bluetooth capability, The USB connector on device is intended to be used for firmware updates to the device, but also for communicating with and powering consumer grade USB devices, such as mobile phones, etc. The device has an integrated touch LCD screen with 6.5 inch display with 800x480 pixels and LED backlight.

The Bluetooth transmitter Model TC35661IDBG-007 manufactured by Toshiba Corporation.

Device operates within the 2.4 GHz ISM band and is compatible with Bluetooth Ver3.0 and supports Basic Rate and Enhanced Data Rate modulations GFSK, 4DQPSK, 8DPSK. Device has a single PCB trace antenna that is permanently affixed to the interior of the device and is non removable and cannot be modified by normal means with a max antenna gain of 3.38 dBi. The intended operational frequency band for the integrated Bluetooth transmitter is 2402 – 2483.5 MHz with 79 frequency hopping channels.

## Technical Specification

	MIN	NOMINAL	MAX
<b>Rated Voltage</b>	-	13.2 VDC	-
<b>Operational Voltage</b>	9 VDC	-	16 VDC
<b>Temperate Range</b>	-40 °C	-	70 °C
<b>Consumption Current</b>	-	-	15A
<b>Weight</b>	~ 5 kg		
<b>Dimensions HxWxD</b>	~ 218 x 236 x 197 mm		