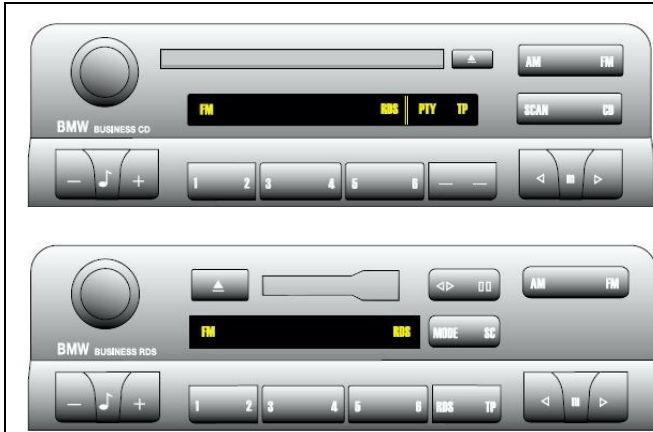


Radio / Navigation / Head Unit Identification

	<p>MID Radio – Multi- Information Display</p> <p>SA661 – Radio BMW Business</p> <p>ETK splits this into multiple pieces: -Information display -Radio BMW Business (CD / cassette drive)</p> <p>Utilized for the audio system, telephone, and board computer. Depending upon options the MID is coupled with an external CD or Cassette drive.</p> <p><u>Used in vehicles:</u> E38 7 Series SOP to EOP E39 5 Series SOP to EOP E53 X5 SOP to 2002</p>
	<p>BM - Radio & Navigation On-Board Monitor</p> <p>SA609 Navigation System Professional</p> <p>Utilized for the audio system, Navigation, telephone, and board computer.</p> <p><u>Used in vehicles:</u> E38 7 Series Mark I Nav 10/96 to 9/97 E38 7 Series Mark II Nav 9/97 to 9/00 E39 5 Series Mark I Nav 10/96 to 9/97 E39 5 Series Mark II Nav 9/97 to 9/00 E46 3 Series Mark II Nav SOP to 9/01 E53 X5 Mark II Nav SOP to 1/01</p>
	<p>BM53_WIDE - Wide Screen Color On-Board Monitor – BM53-DVD</p> <p>SA609 Navigation System Professional</p> <p>Utilized for the audio system, Navigation, telephone, and board computer.</p> <p><u>Used in vehicles:</u> E38 7 Series Mark III 9/00 to EOP E39 5 Series Mark III 9/00 to EOP E46 3 Series Mark III 9/01 to EOP E53 X5 Mark III 1/01 to EOP</p>



CD53 – Business with in-dash CD or
C53 – Business with Cassette

SA650 CD Player or
 SA661 – Radio BMW Business (cassette)

Utilized for the audio system

Used in vehicles:
 E46 from 3/01

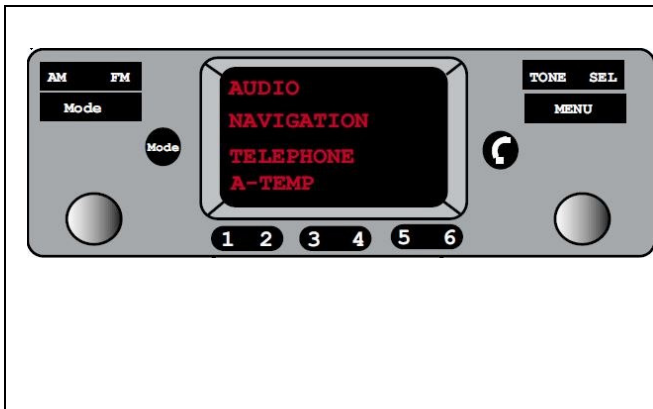


CD53 MID– Business with MID control & in-dash CD
 or
C53 MID- Business with MID control & cassette

SA661 – Radio BMW Business
 &
 SA650 CD Player
 or
 SA661 – Radio BMW Business (cassette)

Utilized for the audio system

Used in vehicles: E39
 from 9/00
 E53 from 10/00



C53 MIR – Multi Information Radio
 Business MIR without cassette

SA645 Radio Control US

ETK calls this Radio BMW Navigation

Utilized for the audio system, Navigation,
 telephone, and board computer

Used in vehicles:
 E52 Z8 from SOP to EOP



ASK – Audio System Controller

SA609 – Navigation system
&
SA650 – in dash CD player

M.Y. 2001-2003 Vehicles with SA609 and without SA650 received an in-dash cassette player.

M.Y. 2004 – EOP Vehicles defaulted to the CD ASK and did not contain SA650. Vehicles that were ordered with a cassette drive had additional SA670 – Cassette Drive

Utilized for the audio system, Navigation, telephone, and board computer in conjuncture with the I Drive system.

Map – North American map DVD **HIGH** version

Used in vehicles:
E65 7 Series from SOP to EOP



MASK – Multi-Audio System Controller

SA663 – Radio BMW Professional

Utilized for the audio system, telephone, and board computer in conjuncture with the I Drive system.



AUX input available as a retrofit

UPDATE!



- USB in center console is optional and part of the MULF / ULF / SBX High option 6FL - IPOD and USB adaptor. UPDATE!
- USB output **500mA maximum** UPDATE!

The MASK head unit is introduced in US training manual **ST046 E60 Complete Vehicle** UPDATE!

Used in vehicles:
E60 5 Series from SOP to 3/2007
E61 5 Series wagon from SOP to 3/2007



CHAMP – M-Audio System Controller

SA663 – Radio BMW CHAMP Professional

Utilized for the audio system, telephone, and board computer in conjuncture with the I Drive system.

AUX-IN AUX input available **UPDATE!**

- USB**
- USB in center console is optional and part of the MULF / ULF / SBX High option 6FL - IPOD and USB adaptor. **UPDATE!**
 - USB output **500mA maximum** **UPDATE!**

Used in vehicles:
 E60 5 Series from 3/2007 to EOP
 E61 5 Series wagon from 3/2007 to EOP



CCC – Car Communication Computer

SA609 - Navigation System Professional

Utilized for the audio system, Navigation, telephone, and board computer in conjuncture with the I Drive system.



REQUIRES ENABLE CODES FSC/SWT

Map – North America map DVD *Professional* version (CCC)

AUX-IN AUX input available as a retrofit **UPDATE!**

- USB**
- USB in center console is optional and part of the MULF / ULF / SBX High option 6FL - IPOD and USB adaptor **UPDATE!**
 - USB output **500mA maximum** **UPDATE!**

The CCC head unit is introduced in US training manual
ST064 E63/E64 Complete Vehicle **UPDATE!**

Used in vehicles:

E60 5 Series from SOP to 4/08
E61 5 Series Wagon from SOP to 4/08
E63 6 Series Coupe from SOP to 4/08
E64 6 Series Convertible from SOP to 4/08
E70 X5 from SOP to 9/08
E71 X6 from SOP to 4/08
E90 3 Series Sedan from SOP to 4/08
E91 3 Series Wagon from SOP to 4/08
E92 3 Series Coupe from SOP to 4/08
E93 3 Series Convertible from SOP to 4/08
E82 1 Series Coupe from SOP to 9/08
E88 1 Series Convertible from SOP to 9/08



CIC High – Car Communication Computer

SA609 - Navigation System Professional

ETK calls this Car Infotainment Computer

Utilized for the audio system, Navigation, telephone, and board computer in conjuncture with the I Drive system.



REQUIRES ENABLE CODES FSC/SWT

Map – North America map *Premium* version (CIC) - uses map enable code **2D**



AUX input available

UPDATE!



- USB in center console is optional and part of the MULF / ULF / SBX High option 6FL - IPOD and USB adaptor. **UPDATE!**
- USB in glove box is 100%
- USB output **500mA maximum**

Navigation map updates can only be done via the USB connection in the glove box

The CIC head unit is introduced in US training manual

ST1815 Car Information Computer

UPDATE!

Used in vehicles:

F01 F02 7 Series Sedan from SOP to 7/12

F04 7 Series Hybrid from SOP to 7/12
 F07 5 Series GT from SOP to 7/12
 F10 5 Series Sedan from SOP to 7/12
 F10H 5 Series Hybrid from SOP to 7/12
 E60 5 Series from 4/08 to EOP
 E61 5 Series Wagon from 4/08 to EOP
 F06 6 Series GC from SOP to 7/13
 F12 6 Series Convertible from SOP to 7/13
 F13 6 Series Coupe from SOP to 7/13
 E63 6 Series from 4/08 to EOP
 E64 6 Series from 4/08 to EOP
 E84 X1 from SOP to EOP
 F25 X3 from SOP to 7/13
 E70 X5 from 9/08 to EOP
 E71 X6 from 4/08 to EOP
 E72 X6 Hybrid from SOP to EOP
 E90 3 Series Sedan from 4/08 to EOP
 E91 3 Series Wagon from 4/08 to EOP
 E92 3 Series Coupe from 4/08 to EOP
 E93 3 Series Convertible from 4/08 to EOP
 E82 1 Series Coupe from 9/08 to EOP
 E88 1 Series Convertible from 9/08 to EOP
 E89 Z4 from SOP to EOP



TE06-1114

CHAMP2-Car Information Computer Basic 2 Alpine

SA663 – Radio Professional



REQUIRES ENABLE CODES FSC/SWT

Map – Road map North America *Move-* uses map enable code **89**



AUX input available



- USB in center console is optional and part of the MULF / ULF / SBX High option 6FL - IPOD and USB adaptor.
- USB output **500mA maximum**

The CHAMP2 head unit is introduced in US training manuals:

ST605 E70 Complete Vehicle

ST1106 F25 Complete Vehicle



E70 X5 from 10/2006 to EOP

E71 X6 from 10/2007 to EOP

F10 5 Series from 1/2010 to 7/2013

F25 X3 from 1/2010 to 7/2013



Radio BMW Professional CD

RAD2 by Alpine – from SOP to 9/2007

RAD2 by Conti – from 9/2007-9/2009

RAD2+ by Conti – from 9/2009-9/2010

SA663 Radio BMW Professional

Utilized for the audio system, telephone, and board computer in conjuncture with the I Drive system.



REQUIRES ENABLE CODES FSC/SWT



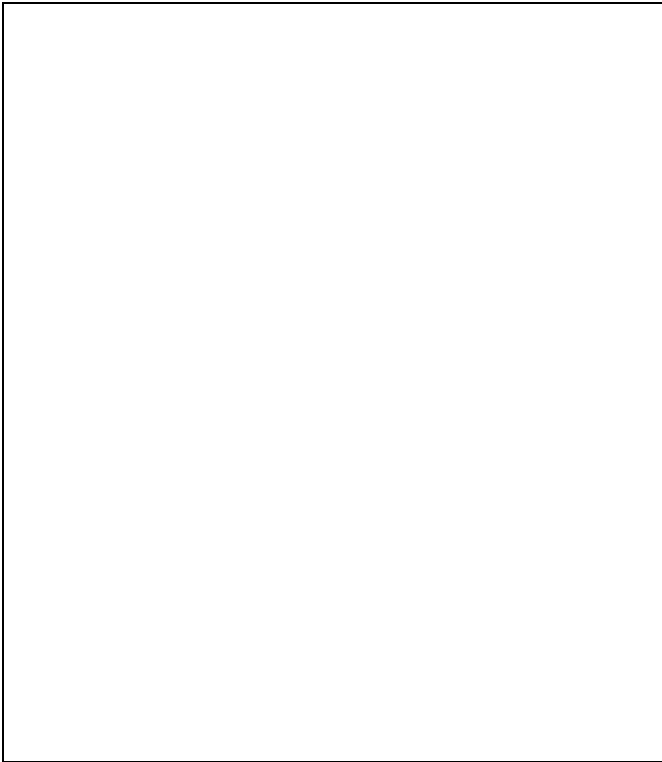
AUX input available



- USB in center console is optional and part of the CBX Combox option 6FL - IPOD and USB adaptor.
- USB output **1 AMP maximum**

The RAD2 head unit is introduced in US training manual **ST502 E90 Complete Vehicle**





Used in vehicles:
 E90 3 Series Sedan from SOP to 9/2010
 E91 3 Series Wagon from SOP to 9/2010
 E92 3 Series Coupe from SOP to 9/2010
 E93 3 Series Convertible from SOP to 9/2010
 E82 1 Series Coupe from SOP to EOP
 E84 X1 SOP to EOP
 E88 1 Series Convertible from SOP to EOP
 E89 Z4 SOP to EOP



CD-83 BMW Business Radio with in dash CD player

SA 662 Radio BMW Business CD

Utilized for the audio system.

Used in vehicles:
 E85/86 Z4 from SOP to EOP
 E83 X3 from SOP to EOP



CD-82 BMW Central Information Display Radio
 CID Radio with Navigation – CD-82 DVD

SA609 Navigation System Professional

Utilized for the audio system, telephone, CD, and board computer in conjuncture with the I Drive system.

Used in vehicles:
 E85 Z4 from SOP to EOP
 E83 X3 from SOP to EOP



BMW CD Business with CD

SA662 In-dash CD player

Used in vehicles:

E85 Z4 from SOP to EOP

E89 X3 from SOP to EOP



ENTRY CONTI – Entry Media by CONTInental

SA663 Radio Professional CD

Utilized for the audio system, telephone, and board computer in conjuncture with the I Drive system.



REQUIRES ENABLE CODES FSC/SWT



AUX input available

UPDATE!



- USB in center console is optional and part of the CBX Combox option 6FL - IPOD and USB adaptor. **UPDATE!**
- USB output **1 AMP maximum** **UPDATE!**

The ENTRY media head unit is introduced in US training manual **ST1113 F30 Complete Vehicle**

UPDATE!

Used in vehicles:

F30 from SOP to 7/2013



ENTRY – Head Unit Basic HU-B1 Entry Media or Entry Navigation by Magnetti Marelli

- SA645 Radio Control US
- SA650 In-dash CD player
- SA663 Radio Professional CD
- SA606 Navigation Business
- SA6UP Navigation with Touchpad Controller

Utilized for the audio system, telephone, and board computer in conjuncture with the I Drive system. SA6UP/SA606 adds Navigation functionality

Also known as HU-B 1 or Basic Media





REQUIRES ENABLE CODES FSC/SWT


Map – North America Road Map **Route** - uses map enable code **B3**



AUX input available



- USB in center console is optional and part of the CBX Combox/TCB options:
6NH Hands-free Bluetooth and USB audio connection OR 6NL BMW Assist with enhanced Bluetooth and USB 
- USB output **1 AMP maximum** 

The ENTRY NAV head unit is introduced in US training manual **ST1411 F25 LCI/F26 complete vehicle** 

Used in vehicles:

- F10 5 Series from 7/2014 to EOP
- F22 2 Series from 7/2014 to 7/2017
- F23 2 Series from 11/2014 to 7/2017
- F25 X3 from 8/2013 to EOP
- F26 X4 from 4/2014 to EOP
- F30 3 Series Sedan from 7/2014 to 7/2017
- F31 3 Series wagon from 7/2014 to 7/2017
- F32 4 Series coupe from 7/2014 to 3/2017
- F33 4 Series convertible from 7/2014 to 3/2017
- F34 3 Series GT from 7/2014 to 7/2017
- F36 4 Series GC from 3/2014 to 3/2017
- F48 X1 from 7/2015 to 7/2017

	I01 i3 from 3/2014 to 11/2017
--	-------------------------------



NBT – Car Infotainment Computer HU-H

SA609 - Navigation System Professional

Utilized for the audio system, Navigation, telephone, and board computer in conjuncture with the I Drive system.

Also known as Head Unit High & Next Big Thing





REQUIRES ENABLE CODES FSC/SWT

Map - North America **NEXT** USB – uses map enable code **A8**



AUX input available



- USB in center console is optional and part of the CBX Combo/TCB options:
6NH Hands-free Bluetooth and USB audio connection OR 6NL BMW Assist with enhanced Bluetooth and USB 
- USB output **1 AMP maximum** 

The NBT head unit is introduced in US training manuals:

ST1309 5 Series LCI

ST1211 Headunit High 

Used in vehicles:

F01 7 Series Sedan from 7/12 to EOP

F06 6 Series GC from 3/13 to 3/16

F07 5 Series GT from 7/13 to 7/16

F10 5 Series Sedan from 7/13 to 11/16

F12 6 Series Convertible from 3/13 to 3/16

F13 6 Series Coupe from 3/13 to 3/16

F15 X5 8/13 to 8/16

F16 X6 8/14 to 8/16

F22 2 Series from 11/13 to 3/15

F25 X3 from 4/13 to 4/16

F26 X4 from SOP to 4/16

F30 3 Series Sedan from 7/13 to 7/15

F30H 3 Series Hybrid from 7/13 to 7/15

F31 3 Series wagon from 3/13 to 7/15

F32 4 Series coupe from 7/13 to 7/15

F33 4 Series convertible from 11/13 to 7/15

F34 3 Series GT from 7/13 to 7/15
F36 4 Series GC from 3/14 to 7/15
F85 X5 M from 11/14 to 8/16
F86 X6 M from 11/14 to 8/16
I01 i3 from 3/14 to 7/17
I12 i8 from 9/14 to 3/18



ENTRY EVO – Head Unit Basic 2 HU-B2
Entry EVO
by Alpine

SA645 Radio Professional
SA650 In-dash CD player (optional)

Utilized for the audio system, telephone, and board computer in conjuncture with the I Drive system. Uses **ID6** formatted CID display. Music Collection is not available in this head unit.

Supports AAC, MP3, WMA, FLAC files via a USB connection. DVD/Blu-ray/MP3 are not supported via Compact Disc CD

Also known as Basic Media 2



REQUIRES ENABLE CODES FSC/SWT



AUX input available

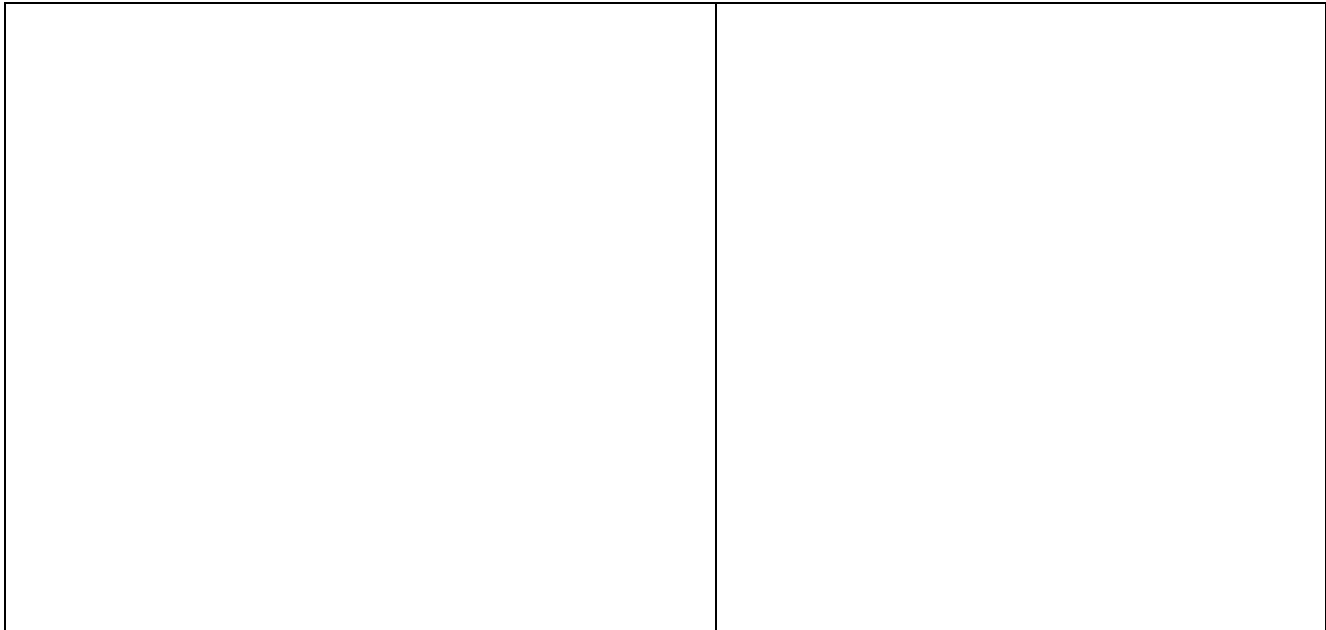


- USB in center console is optional and part of the TCB options: 6NH Hands-free Bluetooth and USB audio connection OR 6NS Enhanced USB and Bluetooth plus Smartphone Integration **UPDATE!**
- USB output **1.5 AMP maximum** **UPDATE!**

The Entry EVO head unit is introduced in US training manual **ST1403a i01 Complete Vehicle**

Used in vehicles:

- F22 2 Series from 7/2017
- F23 2 Series from 7/2017
- F30 3 Series Sedan from 7/2017
- F31 3 Series wagon from 7/2017
- F32 4 Series coupe from 3/2017
- F33 4 Series convertible from 3/2017
- F34 3 Series GT from 7/2017
- F36 4 Series GC from 3/2017
- F48 X1 from 7/2017
- G01 X3 from SOP 7/2017
- G02 X4 from SOP 4/2018
- G20 3 Series from SOP
- I01 i3 from 11/2018



Version ID4:



Version ID5 (G12):



NBT EVO –Next Big Thing EVO HU-H2

SA609 - Navigation System Professional

Utilized for the audio system, Navigation, telephone, and board computer in conjuncture with the I Drive system.

Also known as Head Unit High 2, Next Big Thing Evolution

Supports AAC, MP3, WMA, FLAC files via a USB connection. MP3 is not supported via Compact Disc CD.

Supports video formats AVI, MP4, MPG, WMV



REQUIRES ENABLE CODES FSC/SWT

Map – Road Map North America **EVO** -uses map enable code **F5**



AUX input available



- USB in center console is optional and part of the TCB options:
6NH Hands-free Bluetooth and USB audio connection OR 6NS Enhanced USB and

Bluetooth plus Smartphone Integration

UPDATE!

- USB output **1.5 AMP maximum**

UPDATE!

The NBT EVO head unit is introduced in US training manual **ST1502 F23 Complete Vehicle**

Used in vehicles:

With ID4 Controller (ID4++):

F22 2 Series from 4/15 to 7/16
F23 2 Series convertible from 3/14 to 7/16
F30 3 Series from 7/15 to 7/16
F31 3 Series touring from 7/15 to 7/16
F32 4 Series coupe from 7/15 to 7/16
F33 4 Series convertible from 7/15 to 7/16
F34 3 Series GT from 7/15 to 7/16
F36 4 Series GC from 7/15 to 7/16
F82 4 Series Coupe from SOP to 7/16
F83 4 Series Convertible from SOP to 7/16

With ID5 Controller (35up , Ruko ID5):

F06 6 Series Gran Coupe from 3/16 to 3/17
F12 6 Series from 3/16 to 3/17
F13 6 Series from 3/16 to 3/17
F15 X5 from 8/16 to 9/17 **TOUCH CID**
F16 X6 from 8/16 to 9/17 **TOUCH CID**
F22 2 Series from 7/16 to 7/17
F23 Series convertible from 7/16 to 7/17
F25 X3 from 4/16 to EOP 8/17
F26 X4 from 4/16 to EOP 4/18
F30 3 Series from 7/16 to 3/17
F31 3 Series touring from 7/16 to 3/17
F32 4 Series coupe from 7/16 to 3/17
F33 4 Series convertible from 7/16 to 3/17
F34 3 Series GT from 7/16 to 3/17
F36 4 Series GC from 7/16 to 3/17
F82 4 Series Coupe from 7/16 to 3/17
F83 4 Series Convertible from 7/16 to 3/17
F85 X5 M from 8/16 to 7/17
F86 X6 M from 8/16 to 7/17
G12 7 Series from SOP 7/15 to 3/17 **TOUCH CID**
I01 i3 from 7/17

With ID6 Controller:

F06 6 Series Gran Coupe from 3/17
F12 6 Series from 3/17
F13 6 Series from 3/17
F15 X5 from 9/17 **TOUCH CID**
F16 X6 from 9/17 **TOUCH CID**
F22 2 Series from 7/17 **TOUCH CID**
F23 2 Series convertible from 7/17 **TOUCH CID**
F25 X3 from 8/17
F26 X4 from 8/17
F30 3 Series from 3/17 **TOUCH CID**

F31 3 Series touring from 3/17 **TOUCH CID**
 F32 4 Series coupe from 3/17 **TOUCH CID**
 F33 4 Series convertible from 3/17 **TOUCH CID**
 F34 3 Series GT from 3/17 **TOUCH CID**
 F36 4 Series GC from 3/17 **TOUCH CID**
 F82 4 Series Coupe from 3/17 **TOUCH CID**
 F83 4 Series Convertible from 3/17 **TOUCH CID**
 F85 X5 M from 7/17 **TOUCH CID**
 F86 X6 M from 7/17 **TOUCH CID**
 G01 X3 from 7/2017 **TOUCH CID**
 G12 7 Series from 3/17 **TOUCH CID**
 G30 5 Series from 11/16 **TOUCH CID**
 G32 6 Series GT from 7/2017 **TOUCH CID**
 I12 i8 from 3/18



MGU – Media Graphics Unit HU-H3

SA 6U3 (BMW Live Cockpit Professional)

Utilized for the audio system, Navigation, telephone, Online APP platform OAP, Wifi Hotspot and board computer in conjuncture with the I Drive system.

Also known as Head Unit High 3, ID7

There are two main components:

MGU = Media Graphic Unit (processor for display, I drive interface)

RAM = Receiver Audio Module (tuner, diversity antenna, Amplifier)



REQUIRES ENABLE CODES FSC/SWT



USB port type A with 1.5-amp charging function and data transfer



USB port type C with 3.0-amp charging function and data transfer



USB port type C with 3.0-amp charging function

Map – Road Map North America **LIVE** -uses map enable code **0156**

Navigation map updates can only be done via a USB stick, there is no ISTA option.



- USB in center console is optional and part of option ZEB Enhanced USB & Bluetooth **UPDATE!**
- USB output:
Type A port **1.5 AMP maximum** **UPDATE!**
Type C port **3 AMP maximum** **UPDATE!**

The MGU head unit is introduced in US training manuals:

ST1831 G05 Complete vehicle

OL1855 Displays and Controls 2018

Used in vehicles:

G05 X5 from SOP 8/18 **TOUCH CID**

G07 X7 from SOP 11/18 **TOUCH CID**

G20 3 Series from SOP 11/18 **TOUCH CID**

G12 7 Series from 3/19 **TOUCH CID**

G15 8 Series coupe from SOP 7/18 **TOUCH CID**

G29 Z4 from SOP 3/19 **TOUCH CID**

G14 8 Series convertible from SOP 11/18

TOUCH CID