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# Table of Contents

## Integrated Service Information Display

Subject	Page
<b>Introduction</b> .....	<b>3</b>
Hardware Specifications .....	4
Controls/Interface .....	6
<b>Docking Station</b> .....	<b>7</b>
<b>Unpacking and Setting up of the ISID Unit</b> .....	<b>9</b>
Installing of the AC Voltage Adapter (for Docking Station) .....	9
Connecting the Workshop LAN Cable to the Docking Station .....	10
Installing the Rechargeable Battery Pack .....	10
Installing the ISID unit onto the Docking Station .....	11
Kensington Lock .....	11

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# Integrated Service Information Display (ISID)

**Model: All**

**Production: All**

## OBJECTIVES

After completion of this module you will be able to:

- Identify the components of the ISID.
- Identify the controls/interfaces on the ISID hardware.
- Install and remove the operating battery for the ISID.
- Properly “dock” the ISID control unit onto the docking station.

# Introduction

The Integrated Service Information Display (ISID) is a powerful display and operating unit for the workshop and vehicle reception. With numerous functions for diagnosis and programming. It replaces the Displus and GT1.



The ISID will be used for:

- Diagnosing vehicles (together with connected ISIS server and vehicle interface ICOM).
- Programming vehicles (together with connected ISIS server and vehicle interface ICOM).
- Conducting measurements of currents, voltages, pressures, temperatures and recording measurement plots (together with connected ISIS server and intelligent Measurement and Interface Box IMIB).
- Accessing repair manuals and technical information regarding vehicles.

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## Hardware Specifications

- Weight 2.1 Kg (4.6 lbs)
- Intel Napa Platform (Yonah ULV Dual Core Processor: 1.2 GHz)
- Battery runtime up to 8 hours (2 batteries included in package) including intelligent battery management.
- HDD space 120GB (S.M.A.R.T. management)
- Main Memory: 2 GB RAM DDR2
- Display luminous intensity up to 360 cd/m<sup>2</sup>
- Display brightness controlled by light sensor
- Network Connection (RJ-45 on Docking Station and ISID device)
- WLAN IEEE 802.11n, 802.11e, 802.11i included
- Changeable VAN module (physical layer > incl. traffic indicator and transformer)
- Support of Bluetooth 2.0
- Camera Module 2.0 MPixel (pluggable)
- Programmable function keys
- USB 2.0 (2 ports)
- Shock protected, lightly ruggedized (protection classification IP 54)
- Audio in/out (microphone/headphones); loudspeakers (audible feedback)
- Docking station (including LAN / USB / VGA)
- Windows XPe operating system



**ISID including components and standard accessories:**



Index	Explanation
1	Operating Unit
2	120v AC Voltage Adapter for the operating unit and docking station
3	Power cable with country-specific connector
4	Stylus (one of ten supplied)
5	12v DC Vehicle Voltage Adapter
6	Battery pack (one of two supplied)
7	10 meter LAN cable
8	Docking Station
	Documentation CD (not pictured)
	Adapter kit for device cart (not pictured)

## Controls/Interface



Index	Explanation	Index	Explanation
1	Battery pack	8	Microphone Socket
2	Touch screen	9	Photodiode
3	Hard drive cover	10	ON/OFF button
4	Power connection	11	Device buttons
5	USB connection	12	Indicator for power supply source:
6	LAN connection	13	Indicator for battery charge and temperature warning
7	Headphone Socket	14	Indicator for Bluetooth and WLAN mode

The device buttons are used to switch the ISID on and off and for quick-launching of the ISID functions such as the self-test.

The ISID has status indicators for:

- External power supply or battery mode
- Indicator for battery charge
- Temperature warning
- Wireless links to other devices

# Docking Station



Index	Explanation	Index	Explanation
1	Release button for ISID	4	Status display
2	Tilt angle adjustment button for the control panel mount	5	Docking interface
3	Cover for optional DVD drive	6	Mounting rail for attaching the control panel

The Integrated Service Information Display remains fully controllable when docked in the docking station. The control panel mount has a tilt adjustment feature. Through the docking station, the Integrated Service Information Display can be LAN cable connected to the workshop network.

The status indicators on the front side of the docking station have the following functions:

- Operation of the Integrated Service Information Display in the docking station
- Indicator for battery charge
- Temperature warning



Index	Explanation	Index	Explanation
1	Slot for 120v AC adapter	5	USB connection
2	Socket for 120v AC adapter	6	Workshop network LAN connection
3	External VGA output	7	Kensington lock slot
4	Slot for second battery pack	8	Cover flap

Behind the cover on the rear side of the docking station, you will find the connections for the power supply and the workshop network. The slot for charging the second battery pack is also located here.

The Kensington lock slot is available for protecting the docking station against theft when used in conjunction with the Kensington lock cable.



## Unpacking and Setting up of the ISID Unit

The ISID is delivered in (2) two separate cardboard boxes. One box has all the accessories for the ISID and the other cardboard box has the ISID unit with docking station.



**Accessories Package**



**ISID with Docking Station Package**

The packaging consists of a box with a cardboard insert. The operating unit and docking station are additionally packed in foam parts. Unpack the accessories, docking station and operating unit. Remove the protective film from the operating unit and docking station.

## Installing of the AC Voltage Adapter (for Docking Station)



**Power cable routing**



**Mounting of the AC power adapter**

Place the docking station carefully on the left side with the covering flap open. Route the power supply plug through the opening on the side and place the cable in the lateral recess. Only use the supplied power cable and the supplied power supply unit.

Set up the docking station again and connect the power cable to the power supply unit. Place the power supply unit in the designated bracket. Connecting the power cable and inserting the power supply unit. Three cable mushrooms are provided to route the low-voltage cable. Route the cable first between the power supply unit and the two upper cable mushrooms and then between the two left cable mushrooms so that the filter fits in the tray. Connect the low-voltage cable to the DC socket of the docking station.

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## Connecting the Workshop LAN Cable to the Docking Station

Connect the network cable to the RJ45 socket. Make sure the guide lug is pointing downward and the plug clicks audibly into place. Connect the other end of the network cable to the workshop network. Details on cabling in the workshop can be taken from the information provided in the **“BMW NA Workshop Standards 2008”** network infrastructure document.



**Docking station terminal strip (arrow pointing to RJ45 port)**

Close the covering flap. There is a large recess at the center of the cover to guide out the cables and prevent the device from being set down on them.

## Installing the Rechargeable Battery Pack



**Inserting the rechargeable battery pack**

Insert the rechargeable battery pack in the operating unit. The side with the sticker (label) points in the direction of the screen. Push it in until it engages firmly.

**WARNING!!!**

**Battery must be charged for at least 2 to 3 hours before using or installing operating system software !**

# Installing the ISID unit onto the Docking Station



## Inserting the operating unit in the docking station

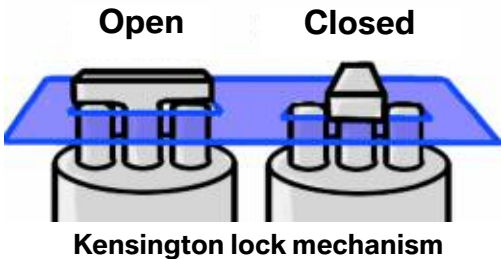
Place the operating unit in the docking station. To do so, the operating unit must be hooked into the upper side of the bracket. Then press the bottom of the operating unit gently onto the bracket until it engages audibly.

The device is now ready to be switched on.

## Kensington Lock

There is a recess for connection of a mechanical anti-theft protection in the form of a Kensington lock. The product designation “Kensington lock” is an anti-theft device for mobile hardware such as notebooks, etc., originally manufactured by the Kensington Company. The designation has established itself as the expression for locks that work according to this principle.

Devices that can be secured by means of a Kensington lock have an opening of around 3 × 7 mm at the housing where the lock is inserted when the device is open. The lock mechanism in the form of a T-shaped coupling is locked into the opening by a 90° twist. The lock is usually equipped with a wire cable that has an eyelet at the end. The wire cable can be wrapped around an anchoring point and fixed in place.



Kensington lock securing devices can be purchased from a local electronic/computer retailer.

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