Car Multimedia Systems.



VDO Dayton. The Car Brand.

# MS4400

Navigation Radio with MP3 CD-Player

















C-IQ Intelligent Content on Demand
High resolution Display with variable colour illumination
Dual-RDS-Tuner for simultaneous Radio and TMC Reception
Route & Sound

4 x 55 Watt max. Power
Integrated Dynamic Navigation via TMC
Dynamic FM Station List
Active Antenna Supply
6 Sound Presets
Detachable Flipdown Front

#### Options

Digital CD MP3/WMA Changer CHM 604 MP3
IR Credit Card Remote Control RC 1104\*
IR Steering Wheel Remote Control RCS 4000\*
Connection to OEM Steering Wheel Remote Controls via Adapter Wire

Easy Adaption to Handsfree Kits (e.g.: CIX 3000 Blue)

Connections

A: General + Power Supply (ISO)

C2: Steering Wheel Remote Control

• Digital CD MP3/WMA Changer

• IR Credit Card Remote Control

Connection to OEM Steering

Wheel Remote Controls via

Easy Adaption to Handsfree

Kits (e.g.: CIX 3000 Blue)

• IR Steering Wheel Remote

Control RCS 4000<sup>2</sup>

Adapter Wire

B: Loudspeakers (ISO)

C1: Preamplifier Out

D1: Tel.In / IR Receiver

E: Aerial Plug (ISO)

**GPS** Antenna

CHM 604 MP3

RC 1104<sup>2</sup>

C3: CD-Changer

Fuse

G:

Options

## MS 4400

### Navigation Radio with MP3 CD-Player

#### **C-IQ Intelligent Content on Demand**

Once C-IQ is activated, you benefit from a wide range of products including up to date road maps, travel guides and special country products. Along with wide coverage, road maps come with free traffic information (TMC) and up to 1.500.000 Points of Interest (POI). The C-IQ update service automatically sends you the latest road maps free of charge<sup>1</sup>. Activation takes just a few minutes anytime, anywhere. Navigation content can be chosen on a daily or monthly basis with time based payment.

#### **Convincing Sound Quality**

With its 4 x 55 Watt MOS-FET amplifier, a 5 channel equalizer and 6 predefinied sound styles the MS 4400 provides a convincing sound quality which leaves nothing more to desire.

#### **Enhanced Route and Sound with MP3 CD-Player**

Route and Sound enables you to easily switch between different audio sources (CD, MP3, Changer) whilst being guided in a perfect manner via voice and pictogram to your destination. The Track Memory Function enables you to continue playing the last song. Address entry can be performed in a pre-loaded street corridor to avoid additional map CD usage. The large display allows for a comfortable browsing through an MP3 folder structure whilst displaying 6 folder names at the same time. A "Playlist" allows playing up to 99 individual songs out of e.g. MP3 CD.

#### **Dual-RDS-Tuner**

Two integrated RDS-Tuner (Radio Data System) assure a optimal receiption and radio performance. Your preferred radio program is always receipted with the best quality by silently switching to the strongest frequency of your listened radio program. A permanently refreshed station list displays all currently received FM stations.

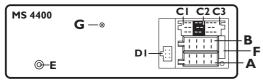
#### **Improved Navigation Performance**

High resolution pictograms, value and distance-to-junction bar as well as legal speed limits provide a comprehensive optical guidance performance. With a optimized audible guidance covering turn-now advices on highways or roundabouts as well as linked advices in cities allow navigation in a perfect manner even without the need to watch the optical guidance on the display.

#### **Dynamic Navigation via TMC**

The system is able to process traffic information, which is provided through an integrated RDS-TMC receiver (Radio Data System - Traffic Message Channel). This traffic information is evaluated and included in the route calculation. The delta (travel time, distance) for the current route is shown and the driver can decide whether he wants to drive the alternative route or not. It is possible to customize the system's behaviour for dynamic route planning.





#### **Audio**

- MP3 and Audio Plaver
- CD audio playback during guidance (Route & Sound)
- Track Memory Function to continue playing last song when you are finished with the map CD
- Playlist with up to 99 tracks
- MP3
- Display of directory name
- Display of file name
- Display of ID3-Tags - Bitrate: Maximum of 320kbit/sec, constant or variable
- Max. Power: 4 x 55 Watts
- Soft-Take-in CD insertion (Anti-scratch)
- CD Text
- CD-R/RW compatible
- 5 Channel Equalizer
- 6 Sound Presets
- Dynamic Loudness
- Speed dependent volume control

- Dual-RDS-Tuner for simultaneous Radio and TMC Reception
- Digital RDS/TMC Tuner
- Dynamic FM Station List
- FM with RDS-EON-News-PTY
- MW, LW and SW

#### **Ergonomic and safety**

- Fine scale colour adjustment (red, orange, yellow, green) of display
- High Resolution Display (260 x 100 dot matrix)
- Detachable flipdown front as theft protection
- Display Dimming via software

#### **Navigation**

- Radio/Navigation split screen
- Pictogram- and voice supported route guidance
- 9 languages with 20 voices
- Turn-now advices on highways and roundabouts (circumference greater than 150 m)
- Value and Distance-to-junction Bar
- Integrated Dynamic Navigation
  - Manual Detour Planning or
- Dynamic Route Planning
- Route criteria
- Fast Route
- Short Route
- Prefer Main Roads
- Avoid Main Roads
- Avoid Toll Roads - Avoid Ferry
- Avoid Tunnel
- Calculation of alternative route
- Traffic information via TMC
- Detailed information of the congestion source
- TMC station list including
- automatic mode
- Pav TMC
- Traffic information on route and sorted on actual position or on destination
- Detour calculation incl. info on additional time and length
- Address book for min. 200 entries (categories: Home, Work, Business, Private)
- Last destinations: 20
- Trip Computer
- Current/Average Top Speed - Travel Time/Distance
- Programmable Speed Warning
- Legal Speed Limit on current route section

#### **Navigation**

- Extensive Destination Input Possibilities:
- Country, city, street junction, house number
- Postal/ZIP Code
- QXS Quick Access Street Search
- Longitude/latitude
- Points of Interest (POI) like petrol and train stations. car parks and cinemas
- Travel guides (e.g. Varta, Michelin)

#### **Technical Data**

- RMS Power: 4 x 28 Watts at 10% THD (DIN 45324) and 14,4 V
- Sensors:
- 12-Channel GPS Receiver
- Gyroscope
- Interface for Digital Speed Signal (optional)
- Temperature Range: -20° C ... +65° C
- Power Supply:
- 12 V DC, at GND
- Voltage Range: 10,5V 16V
- Current Consumption: about 1 A - 10 A (about 0.01 A in off state) - Active Antenna Supply
- Dimensions (w x h x d): DIN-Housing, 180 x 51 x 160 mm

#### **Connections**

- ISO-connector block
- 4 channel preamplifier out
- Telephone In
- OEM steering wheel remote control adaption via cable
- GPS Antenna (SMB)

www.vdodayton.com Car Multimedia Systems.



Map/country dependent

Requires additional IR Receiver CA 1106 + ACP 1100/01

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