

**MAC  
AUDIO**

# MAC 420

2 DIN 16 cm / 6.2" Widescreen  
Multimedia-Receiver

**DAB+**  
READY

**HDMI/MHL**  
CONNECTIVITY

**10-BAND**  
EQUALIZER



**Bluetooth**<sup>®</sup>



HIGH-DEFINITION MULTIMEDIA INTERFACE

Made for



iPod



iPhone

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## 1.DISPLAY REFLECTION

- » iPhone: via Lightning/HDMI adapter
- » Android: via micro-USB adapter; can be operated via touchscreen
- Means no separate navigation system is needed
- Other possible uses such as videos, games, etc.

## 2.VOICE INPUT FUNCTION

- » Voice control via Siri: Simply give verbal instructions to the GPS or for music wishes, etc.

## 3.PAIRING WITH UP TO 5 BLUETOOTH TELEPHONES

- » The Mac 420 "memorises" up to 5 smartphones, so you don't have to pair your device again every time
- » This feature is unique in this price class

## 4.DAB

- » Connection to the new, improved DAB+ 200 is possible

## 5.EQ

- » The only device with a 10-band equalizer in this price category

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## HIGHLIGHTS

- High gloss front
- 16 cm/6.2" digital TFT monitor with LCD touchscreen and LED backlight
- HDMI connectivity – display mirrorlink (iPhones and Android smartphones)
- MHL connectivity – touchscreen control (Android smartphones only)
- Multimedia DVD/CD/Xvid/MP3 player
- Bluetooth hands-free operation with external microphone and audio streaming (A2DP/AVRCP)
- Voice input feature for Android phones and iPhones via the Bluetooth menu
- Automatic linking of up to 5 mobile phones
- FM/AM tuner with RDS
- AF (Alternative frequencies), CT (Clock Time), EON (Enhanced Other Networks), PS (Programme Service), PTY (Programme Type), RT (Radio Text), TA (Traffic Announcements)
- User interface for external, optionally available DAB+ receiver Mac Audio DAB+ 200
- Personal Color Adjustment: 11 RGB light settings (keyboard/background illumination) and 5 menu colors
- 5 wallpapers available, 1 user-defined
- 10-band equalizer with 6 preset and 1 user-defined EQ curves
- Subwoofer control (level, x-over)
- Made for iPod/made for iPhone
- Front USB input with 2.1 A charge current for playing videos, music, pictures
- Front micro SD card slot for playing videos, music, pictures
- Front and rear A/V input (3.5 mm/composite)
- 5 line audio high level outputs 4V / 500 ohms
- Video input for rear view camera (normal and opposite hand), automatic switch-on of rear camera mode
- Power output: 4 x 40 watts, total power output: 160 watts
- Freely programmable Steering Wheel Control (SWC) to be connected via optionally available adapter
- Remote control
- Windows 6.0 CE real-time operating system with intuitive user interface

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## DVD/CD-Player

- Compatible disc media: DVD +/- R/ +/- RW (single and dual layer) and CD-R/-RW
- Compatible media formats: CD-DA, MP3, WMA, VCD, SVCD, Xvid, AVI, MPEG 1/2, AAC
- Signal to noise ratio: >95 dBA
- Dynamic range: >95 dB
- Frequency response: 20 Hz to 20 kHz, -3 dB
- Channel separation: > 60 dB at 1 kHz
- D/A converter: high performance 24-bit / 192 kHz sample rate, multi-bit Sigma-Delta modulator
- Screen formats: cinema, normal and off (standby)

## Video

- Format: PAL / NTSC (auto-detection)
- Output: 1 Vp-p (75 ohms)
- Input: 1 Vp-p (75 ohms)

## CD / MP3 / WMA

- CD text compatible
- Display of album picture (ID3-tag compatible)
- Directory search (MP3 / WMA only)
- Playback of self-made CDs/DVD+R/RWs with up to 1,500 MP3 and WMA files

## FM Tuner

- Tuning range: 87.5 MHz – 107.9 MHz
- 18 station presets
- Auto stereo/mono
- Local/distance
- Mono sensitivity (-30 dB): 9 dBf
- Quieting sensitivity (-50 dB): 15 dBf
- Alternate channel sensitivity: 70 dB
- Signal to noise ratio at 1 kHz: 58 dB
- Frequency response: 30 Hz – 15 kHz, -3 dB

## MW-Radio

- Tuning range: 522 kHz – 1620 kHz
- 12 station presets

## Bluetooth

- Bluetooth module with AVRCP/A2DP profile

## Monitor

- Screen type: high definition TFT monitor with LCD (Liquid Crystal Display)
- Resolution: 1,152,000 sub pixels, 800x3 (W) x 480 (H)

## Personal Color Adjustment

Color illustrations / background

Extended graphical user interface adjustment with:

- 5 menu colors: green / red / orange / blue / purple (to set the background color on the LCD)

## Wallpaper Selection

- Settings: motor start / blue fog / green cubes / red curls / tribal / user-defined: pictures can be uploaded from micro SD card in bitmap format 800 x 480

## General

- 5 line audio outputs: 2x front, 2x rear and subwoofer (4 V RMS / 500 ohms)
- Video output for TFT monitor
- Sub X-over frequencies 80 / 120 / 160 Hz
- Programmable volume control for each audio source
- Calibration mode for touch screen
- Power supply: 11 to 16 VDC, negative ground
- Switch output for active antenna (blue): 500 mA max, overcurrent protection
- Operating temperature: 0°C to 65°C
- Fuse 15A mini ATO
- DIN chassis dimensions: 7 x 7 x 4
- Weight: 2.6 kg net (incl. cable adapter)
- Multi language OSD (German, English, French)
- Automatic switch-on of rear view camera mode (normal and opposite hand)

## Power Ratings

- Signal to noise ratio: 70 dBA below reference (reference: 1 watt, 4 ohms)
- Frequency response: 20 Hz – 20 kHz, -3 dB (AUX input used as reference input)

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