



HIGH-END STEREO MUSIC SYSTEM WITH CD PLAYER AND VALVE RECEIVER



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The high-quality Magnat M 700 stereo system is made up of two high-end modules: The MCD 750 CD player and the MR 780 hybrid valve receiver form an exceptional unit.



HIGH-END HYBRID VALVE
RECEIVER WITH POWERFUL
OUTPUT STAGE AND
BLUETOOTH APTX.

- High-end hybrid receiver with valve pre-amp and high-transistor power output stage
- High-quality DAB+/FM tuner
- Analogue inputs including high-quality MM phono input
- Digital input section with 2 optical and 2 coaxial inputs and one USB audio input
- Bluetooth® 4.0 input with high-end audio standard aptX®
- Sturdy solid-metal enclosure with front panel and controls made of solid aluminium



AUDIOPHILE SOUNDS THANKS TO
TUBE PRE-AMP.

The MR 780 stereo receiver follows the unique Magnat hybrid concept: Operating in the pre-amp stage are two selected, burnt-in ECC 81 valves, which provide the entire system with the warm, audiophile sounds so acclaimed among hi-fi fans. The powerful, discretely designed transistor output stage produces 100 watts of RMS power per channel at 4 ohms.



HUGE RANGE OF CONNECTIVITY
OFFERING MAXIMUM FLEXIBILITY.

Signals are received by the stereo receiver via 5 high-level inputs or 2 optical and 2 coaxial digital inputs. There is also a 3.5 mm jack input available at the front for mobile devices. Even more convenient is the direct wireless connection via Bluetooth 4.0 with aptX. The broad range of connection options on the MR 780 is rounded off by a particularly high-quality phono pre-amp stage for MM systems as well as a USB audio 2.0 input.



PREAMPLIFIER:

- Low-noise tube preamplifier with 2 x ECC 81 tubes
- Preselected and burned-in tubes
- MM-phono preamplifier with low-noise operational amplifiers and subsonic filter
- Five analogue high-level inputs
- Additional 3.5 mm audio input on the front panel for connecting portable devices
- Digital inputs (2 x optical and 2 x coaxial) for sampling frequencies up to 192kHz/24bits
- USB Audio 2.0 input supports sampling frequencies up to 192kHz/24bits
- Bluetooth® input (4.0) supports the high-end audio standard Qualcomm® aptX™
- Wolfson digital-to-analogue converter

FM/DAB-TUNER:

- Digital DAB/DAB+ tuner
- FM tuner
- RDS/radio text function
- 40 programmable station presets each for DAB/DAB+ and FM
- Station search (DAB)
- Automatic scanning function (FM)

POWER AMPLIFIER AND POWER SUPPLY:

- Discrete high-performance amplifier
- Output power: 100 watts of sine power per channel (4 ohms)
- Elaborate mains adapter with separately stabilised supply voltage for the individual circuits
- High-capacity filter/electrolytic capacitors
- Shielded toroidal transformer
- Standby power supply for low power consumption in standby mode

MISCELLANEOUS:

- Sturdy full-metal enclosure with solid, brushed aluminium front
- Solid aluminium controls
- Stable feet with damping rubber insert
- Record Out fixed level output
- Headphone output with high-quality 6.3 mm jack socket
- readable, two-line clear text display with adjustable brightness (3 stages)
- System remote control for all functions





HIGH-DEFINITION CD PLAYER
WITH A STYLISH DESIGN
EQUIPPED WITH HIGH-QUALITY
COMPONENTS.

- High-quality CD drive with precise and quiet loading mechanism and Toshiba CD controller unit
- Particularly precise, low-noise digital/analogue conversion through high-quality D/A converter from Wolfson
- Analogue filter and output stage with low-noise operational amplifiers from Texas Instruments
- Elaborate power adapter with separate voltage stabilizer for the audio output stage
- Sturdy solid-metal enclosure with front panel made of solid aluminium



COMFORT AND DESIGN ON
HIGHEST LEVEL.

In addition to audio CD's, the MCD 750 plays back MP3 and WMA in optimum quality, also supporting CD text and ID3 tags. The full-metal enclosure with its solid, brushed aluminium front panel displays an unobtrusive, stylish design.

FUNCTIONS AND ACCESSORIES:

- Repeat function (title/CD)
- Random function
- Title programming (up to 99 titles)
- MP3 and WMA playback
- Easily readable, two-line clear text display with adjustable brightness (3 stages)
- Supports CD text and ID3 tag
- System remote control for all functions
- Standby power supply for low power consumption in standby mode

ENCLOSURE AND CONNECTORS:

- Sturdy full-metal enclosure with solid, brushed aluminium front
- Stable feet with damping rubber insert
- Analogue output with gold-plated RCA connectors
- Two digital outputs (optical, coaxial)





MR 780

High-end hybrid receiver with tube preamplifier, a high-performance transistor output stage und Bluetooth aptX

TUNER:

FREQUENCY RANGE FM

87.5 – 108 MHz

FREQUENCY RANGE DAB/DAB+

174.928 – 239.2 MHz (Band III)

SENSITIVITY FM

-108 dBm

SENSITIVITY DAB/DAB+

-108 dBm

AMPLIFIER:

OUTPUT POWER

Nominal power:

20 Hz – 20 kHz, THD < 1.0%, 4 Ω 2 x 100 W

20 Hz – 20 kHz, THD < 1.0%, 8 Ω 2 x 75 W

Peak power: 1 kHz, 4 Ω 2 x 180 W

FREQUENCY RESPONSE

CD/Tuner/Aux/Line/Tape

6 Hz – 90 kHz (-3,0 dB)

20 Hz – 20 kHz (+/-0,3 dB)

Phono

20 Hz – 20 kHz (+/-0,8 dB)

Subsonic Filter

16 Hz, 18 dB/Oct.

S/N RATIO

CD/Tuner/Aux/Line/Tape

104 dB (A)

Digital inputs

Phono MM

82 dB (A)

INPUT SENSITIVITY

CD/Tuner/Aux/Line/Tape

470 mV/100 kΩ

Phono MM

5 mV/47 kΩ

DIGITAL INPUTS

1x USB 2.0, type B connector

2x optical (Toslink™)

2x coaxial (cinch)

Supported sampling frequencies: 44.1/48/88.2/96/176.4/192kHz

Supported bit depths: 16/24bits

BLUETOOTH® INPUT

Bluetooth® 4.0 / Qualcomm aptX®

MAX. POWER CONSUMPTION

Maximal: 300 W, Standby: <0,5 W

PREAMPLIFIER FITTED WITH

2x ECC 81 / 12AT7

COLOUR

Black

DIMENSIONS (WxHxD)

Main unit: 433 x 132 x 317 mm

Incl. controls and connectors: 433 x 132 x 360 mm

Remote: 45 x 175 x 20 mm

WEIGHT

8.9 kg

ART.NO./EAN

149 518 / 40 18843 49518 7

SCOPE OF DELIVERY

MR 780 Receiver

Remote control incl. batteries

FM/DAB areal antenna

Power cord

Instruction manual



MCD 750

High-definition CD player with a stylish design Equipped with high-quality components

FREQUENCY RESPONSE

20 Hz – 20 kHz (+/- 0.5dB)

S/N RATIO

> 108 dB(A) (20 Hz – 20 kHz)

CHANNEL SEPARATION

> 110 dB (1kHz)

OUTPUT VOLTAGE

2,0 V

HARMONIC DISTORTION THD+N (ANALOG OUT)

< 0,005 %

HARMONIC DISTORTION THD+N (DIGITAL OUT)

< 0,0012 %

COMPATIBLE DISC FORMATS

CD-Audio, CD-R, CD-RW, MP3, WMA

DIGITAL OUTPUT

optical/coaxial

MAINS VOLTAGE

100 – 240 V~, 50/60 Hz

POWER CONSUMPTION

Maximal: 30 W

Standby: < 0,5 W

COLOUR

Black

DIMENSIONS (WxHxD)

Main unit: 433 x 78 x 317 mm

Incl. controls and connectors: 433 x 78 x 322 mm

Remote: 45 x 175 x 20 mm

WEIGHT

3.9 kg

ART.NO./EAN

149 493 / 40 18843 49493 7

SCOPE OF DELIVERY

MCD 750 CD-Spieler

Remote control incl. batteries

RCA cable

Power cord

Instruction manual