



REVO IPA-80
REVO IPA-140USB
REVO DS-2, CDP-2, DAC-2
REVO PA-150, PA-160MR
REVO SC-2
HS IPA-1
HS DA-2

norma
AUDIO ELECTRONICS



Norma is based in Cremona, Italy.
The city and its surroundings are well known all over the world for being home to great composers as Monte-verdi and Ponchielli, and to famous violin makers such as Stradivari, Amati, Guarneri and many others. As of today, more than 100 violin makers' shops are found in the ancient roads of the city.
In this inspiring context, where music permeates everything, for more than 20 years Norma has been involved in the study and implementation of sophisticated audio amplifiers, where technical skills and musical sensitivity must be merged together, in the same way the best musical instruments are made.
The result of this endeavor is a unique sound, which represents a synthesis of parameters usually set one against each other: dynamics, speed, and absolute transparency are combined with extraordinary musicality and total lack of listening fatigue.
The struggle between solid state and valves is finally overcome, as is the concept of reproduction.
Norma brings the listener to an intimate relation with the original event.

www.normaudio.com - info@normaudio.com - tel: +39 (0)372493113

NORMA REVO IPA-80



Technical Features:

- Extreme low noise, high speed, wide band circuit topology (>1 MHz).
- High current MOS-FET power devices (100 A peak current), A/B class.
- 8 power devices for a total rated 1000 W power handling capability.
- Selected and matched semiconductors for left and right channels.
- Very high resolution amplification, but never artificial.
- Dc coupled, for best sonic performances.
- Excellent Sound Stage.
- PCB Board with wide ground plane.
- Separate ground plane power supply for Gain, Driver and Output stage.
- High speed, low noise regulated power supply for gain and driver stages.
- High filtering capacity with several low impedance capacitors.
- Full aluminium non-magnetic chassis.
- Toroidal power transformer designed for audio applications.
- Versatile inputs/outputs (Direct Input for Home Theatre, Tape/External processor output).
- Input selection done by relay with GOLD/PALLADIUM contacts.
- Remote, machined from a solid block of aluminium, controls all the functions; including two-speed volume control (Fine and Fast).

Optional Features:

- High Resolution USB input, 24/192, DSD compatible.
 - High Quality phono stage, for MM and MC pick-up.
- NOTE : USB and Phono options not fittable at the same time.



Technical Specifications:

- Inputs: 4 Line RCA, 1 Direct (AV) IN, 1 Phono MM/MC (optional), USB(Optional)
- Inputs Impedance: 10 Kohm.
- Outputs: Tape Output.
- Phono: MM / MC.
- Phono Input Impedance: 47 Kohm, 1 Kohm, 500 Ohm, 100 Ohm, Spare.
- Phono Input Gain Specifications: 34 dB, 38 dB, 42 dB, 46 dB, 50 dB, 52 dB, Spare.
- USB up to 24 bit, 192 KHz, DSD compatible.
- Outputs Speakers: 2 pairs for main outputs.
- Frequency Response: 0.1 Hz – 1 MHz (-3dB).
- Configuration: Solid state.
- Output Power: 80 W RMS / 8 Ohm - 150W RMS / 4 Ohm (each channel).
- Gain: 34 dB.
- Supply: 230 V AC / 50 Hz, (100V AC or 115 VAC / 50-60Hz in some countries).
- Dimensions (HxWxD) : 75 x 430 x 350 mm.
- Weight: 16 Kg.

• Note: Specifications subject to change without notice.

"Upon request, the REVO IPA-80 is also available in black anodized finish"

NORMA REVO IPA-140USB



Technical Features:

- Extreme low noise, high speed, wide band circuit topology (>2 MHz).
- High current MOS-FET power devices (150 A peak current), A/B class.
- 12 power devices for a total rated 1.500 W power handling capability.
- Selected and matched semiconductors for left and right channels.
- Extreme low noise, high speed, wide band circuit topology (>1 MHz).
- Very high resolution amplification, but never artificial.
- Dc coupled, for best sonic performances.
- Excellent Sound Stage.
- Separate power supply for Gain, Driver and Output stages.
- High speed, low noise regulated power supply for gain and driver stages.
- High filtering capacity (70.000 uF) with several (24) low impedance capacitors.
- Full aluminium non-magnetic chassis.
- 2 toroidal power transformers designed for audio applications.
- Customizable inputs/outputs (Direct Input for Home Theatre, active or passive Pre Output for subwoofer or Bi-Amping).
- Input selection done by relay with GOLD/PALLADIUM contacts.
- Solid core gold plated RCA plugs.
- Remote, machined from a solid block of aluminium, controls all the functions; including two-speed volume control (Fine and Fast).

Optional Features:

- High Resolution USB input, 24/192, DSD compatible.
 - High Quality dual mono phono stage, for MM and MC pick-up.
- NOTE : USB and Phono options can be fittable at the same time.



Technical Specifications:

- Inputs: 4 RCA, 1 XLR Balanced, USB.
- Input Impedance: 10 Kohm.
- Input Configuration: Phono MM/MC, Line, Direct AV, Balanced.
- Output Configuration: Pre Out Passive, Pre Out Active, Tape Output, Subwoofer Output.
- Phono Input Impedance: 47 Kohm, 1 Kohm, 500 Ohm, 100 Ohm, Spare.
- Phono Gain: 34 dB, 38 dB, 42 dB, 46 dB, 50 dB, 52 dB, Spare.
- USB: up to 24 bit, 192 KHz, DSD compatible.
- Speaker Outputs: 2 pairs for main outputs.
- Frequency Response: 0.1 Hz – 2 MHz (-3dB).
- Configuration: Solid state, Dual Mono.
- Output Power: 140 W RMS / 8 Ohm – 280W RMS / 4 Ohm (each channel).
- Gain: 34 dB.
- Supply: 230 V AC / 50 Hz, (100V AC or 115 VAC / 50-60Hz in some countries).
- Dimensions (HxWxD): 125 x 430 x 430 mm.
- Weight: 25 Kg.

• Note : Specifications subject to change without notice.

"Upon request, the REVO IPA-140 is also available in black anodized finish"

NORMA REVO DS-2, CDP-2, DAC-2



Technical Features:

- NORMA Proprietary DAC, A-DAC model 1.
- Symmetrical Bipolar, Zero Feedback Topology.
- Ground Zero Reference, Balanced Current Output.
- Thermal Adaptive Compensation.
- I2S Format, 384 – 768 KHz.
- Proprietary I-V conversion architecture.
- Selected and matched semiconductors for left and right channels.
- Analog output stage fully based on discrete components.
- Extreme low noise, high speed, wide band circuit topology (>2 MHz).
- Very high resolution digital source, but never artificial.
- Dc coupled, for best sonic performances.
- Excellent Sound Stage.
- RCA (Unbalanced) and XLR (Balanced) output connections.
- Separate power supply for Digital and Analog sections.
- High filtering capacity with several low impedance capacitors.
- 24 Power supply regulators.
- Full aluminium non-magnetic chassis.
- Toroidal power transformer designed for audio applications.
- Remote, machined from a solid block of aluminium, controls all the functions.

REVO DS-2 and REVO DAC-2 Only

- 5 digital inputs, USB, 2 x SPDIF RCA, SPDIF OPTICAL, AES-EBU.
- USB input full bandwidth, up to 24 Bit / 768 KHz.
- Possibility to customize phase +/- 180° by direct command.

REVO DS-2 and REVO CDP-2 Only

- High Quality TEAC CD Loader unit, designed for Audio CD.



Technical Specifications:

(Some specifications not applicable to all versions – DS-2, CDP-2, DAC-2)

- Input Connections (Only for DS-2, DAC-2):
IN1 : USB, 2.0 High Speed.
IN2 : SPDIF RCA, 75 Ohms.
IN3 : AES/EBU XLR, 110 Ohms.
IN4 : TOSLINK OPTICAL, 96 KHz, (192.0 KHz may be achieved, but not guaranteed).
IN5 : SPDIF RCA, 75 Ohms (IN5 can be set as SPDIF Output by CD Loader unit).
- Digital Specifications:
Sampling Frequencies: 44.1 KHz – 768.0 KHz
- DSD Compatible.
- Output Connections: RCA (Unbalanced), XLR (Balanced).
- Output Voltage : 3.0 V RMS (+10 dBV) RCA (at 0 dB), 6.0 V RMS (+16 dBV) XLR(at 0 dB).
- Output Impedance : 200 ohm.
- Analogue Output Filter: 0,0 to 180 kHz +/- 3 dB.
- Analogue Stage Frequency Response: 0,0 to 2 MHz +/- 3 dB.
- D/A Converters : NORMA Proprietary DAC, A-DAC model 1.
- Supply : 230 V AC / 50 Hz, (100V AC or 115 VAC / 50-60Hz in some countries).
- Dimensions (HxWxD) : 90 x 430 x 350 mm.
- Weight: 10 Kg.

• Note: Specification subject to change without notice.

"Upon request, the REVO DS-2 / CDP-2 / DAC-2 is also available in black anodized finish"

NORMA HS IPA-1



Technical Features:

- 4 RCA analog inputs.
- Extreme low noise, high speed, wide band circuit topology (>1 MHz).
- 8 High current MOS-FET power devices (100 A peak current), A/B class.
- Selected and matched semiconductors for left and right channels.
- High speed, low noise regulated power supply for gain and driver stages.
- High filtering capacity with several low impedance capacitors.
- 2 x 75 W RMS / 8 Ohm - 150 W RMS / 4 Ohm.
- Toroidal transformer designed for audio applications.
- Multifunction display.
- Remote, machined from a solid block of aluminium, controls all the functions.
- Dimensions (HxWxD): 118x214x370 mm, weight: 12 Kg.
- Supply: 230 V AC / 50 Hz, (100V AC or 115 VAC / 50-60Hz in some countries).
- Dimensions (HxWxD): 126 x 215 x 350 mm.
- Weight: 12 Kg.
- Headphone Output
- 6,3 mm Jack connection.
- User-selectable output sensitivity and impedance (Direct & 16-600 Ohm).
- High-current, high-voltage output.

Digital input board (optional)

- 5 digital inputs, USB, 2 x SPDIF RCA, 2 x SPDIF OPTICAL.
- USB up to 24 Bit / 384 KHz.
- High Resolution Digital-to-Analogue converter, DSD-compatible.

Phono input stage (optional)

- High quality, low noise phono section.
- Compatible with MM/MC cartridges.
- User-selectable Gain and Input Impedance values.

"Upon request, the HS IPA-1 is also available in black anodized finish"

NORMA HS DA-2



Technical Specifications:

- 5 digital inputs, USB, 2 x SPDIF RCA and OPTICAL, AES-EBU.
- NORMA Proprietary DAC, A-DAC model 1.
- Symmetrical Bipolar, Zero Feedback Topology.
- Ground Zero Reference, Balanced Current Output.
- Thermal Adaptive Compensation.
- I2S Format, 384 – 768 KHz.
- Possibility to customize phase +/- 180° by direct command.
- Proprietary I-V conversion architecture.
- RCA (Unbalanced) and XLR (Balanced) output connections.

HS-DA-2 Pre

- All features of DAC Version, plus:
- 2 Analog Input Preamp section.
- 2 High Quality Class-A headphone amplifiers.
- Very low output impedance, to best match all types and impedance values of headphones. (e.g. 10-600 Ohms).
- Very wide range of Gain Values customization, to best match all types and impedance values of headphones.
- User-selectable amplification gain independently for line and headphone outputs, also done by remote control.
- Active and Passive mode selectable on RCA pre outputs, also by remote control.
- Remote, machined from a solid block of aluminium, controls all the functions.
- Supply: 230 V AC / 50 Hz, (100V AC or 115 VAC / 50-60Hz in some countries).
- Dimensions (HxWxD): 126 x 215 x 350 mm.
- Weight: 5 Kg.

• Note : Specifications subject to change without notice.

"Upon request, the HS-DA2 is also available in black anodized finish"

NORMA REVO SC-2



Technical Features:

- Extreme low noise, high speed, wide band circuit topology (>2 MHz).
- Selected and matched semiconductors for left and right channels.
- High filtering capacity (51.000 uF) with several (23) low impedance capacitors.
- Very high resolution preamplification, but never artificial.
- Dc coupled, for best sonic performances.
- Excellent Sound Stage.
- Toroidal power transformer designed for audio applications.
- Full aluminium non-magnetic chassis.
- Configurable RCA (unbalanced) & XLR (balanced) Inputs and Outputs
- Input selection done by relay with GOLD/PALLADIUM contacts.
- Solid core gold plated RCA plugs.
- P.D.A.A. Programmable Digital Analogue Attenuation, volume control.
- Attenuation range of 127.5 dB in 0.5 dB steps, realized only with discrete components, relays and precision resistors.
- Active and Passive mode selectable also by remote control.
- Remote, machined from a solid block of aluminium, controls all the functions; including two-speed volume control (Fine and Fast).

Optional Features:

- High Resolution DAC board, 24/768 NORMA Proprietary DAC.
- High Quality dual mono phono stage, for MM and MC pick-up.
- Optional Multichannel Board MCH-6 (2 sets of 6 inputs and outputs) for Audio-Video application

"Upon request, the REVO SC-2 is also available in black anodized finish"



Technical Specifications:

- Inputs: 4 RCA Unbalanced, 2 XLR Balanced.
- Inputs Impedance: 10 Kohm.
- Inputs Configuration: Line, Balanced, Phono MM/MC, Multichannel & DAC options
- 5 Digital Inputs (Only with optional DAC Option).
- NORMA Proprietary DAC, A-DAC model 1.
- Symmetrical Bipolar, Zero Feedback Topology.
- Ground Zero Reference, Balanced Current Output.
- I2S Format, 384 – 768 KHz.
- Multichannel Connections (Only with MCH-6) : 2 sets of 6 RCA Inputs and Outputs
- Outputs Configuration: 1 RCA Unbalanced, 1 XLR Balanced.
- Outputs Impedance: 220 Ohm.
- Phono Input Impedance: 47 Kohm, 1 Kohm, 500 Ohm, 100 Ohm, Spare.
- Phono Gain: 34 dB, 38 dB, 42 dB, 46 dB, 50 dB, 52 dB, Spare.
- Line Gain: 17.5 dB.
- Output Voltage: 7.0 V R.M.S.
- Frequency Response: D.C. – 2 MHz (-3dB), (unfiltered).
- Configuration: Solid state, Dual Mono.
- Supply: 230 V AC / 50 Hz, (100V AC or 115 VAC / 50-60Hz in some countries).
- Dimensions (HxWxD): 125 x 430 x 430 mm.
- Weight: 15 Kg.

• Note : Specifications subject to change without notice.

NORMA REVO PA 150, 160MR



Technical Features (PA-150):

- Extreme low noise, high speed, wide band circuit topology (>2 MHz).
- High current MOS-FET power devices (200 A peak current per channel), A/B class.
- 16 power devices for a total rated 2.000 W power handling capability.
- Selected and matched semiconductors for left and right channels.
- Very high resolution amplification, but never artificial.
- Dc coupled, for best sonic performances.
- Excellent Sound Stage.
- Separate power supply for Gain, Driver and Output stages.
- High speed, low noise regulated power supply for Gain and Driver stages.
- High filtering capacity (70.000 uF) with several (24) low impedance capacitors.
- Full aluminium non-magnetic chassis.
- 2 toroidal power transformers designed for audio applications.
- Input selection done by relay with GOLD/PALLADIUM contacts.
- Solid core gold plated RCA plugs.

"Upon request, the REVO PA Series is also available in black anodized finish"



Technical Features (PA-160 MR):

- Similar features of PA-150, plus:
- High speed, low noise regulated, ultra low impedance, power supply also applied to the amplification power output stage.
- 8 high current MOS-FETs for power stabilisation (per unit).
- Very special selected and matched components.
- When using two REVO PA-160 MR for a stereo configuration, the number of low impedance capacitors, the filtering capacity, and the number of toroidal transformers is of course doubled.

Technical Specifications:

- Inputs: 1 RCA (unbalanced) , 1 XLR (Balanced)
- Input Impedance: 47 Kohm
- Speaker Outputs: 2 pairs for main outputs (1 pair in PA-160)
- Frequency Response: D.C. – 2 MHz (-3dB)
- Configuration: Solid state (Dual Mono in PA-150)
- Output Power (PA 150): 150 W RMS / 8 Ohm - 300W RMS / 4 Ohm (per channel)
- Output Power (PA 160 MR): 160 W RMS / 8 Ohm - 320W RMS / 4 Ohm
- Gain, Sensitivity: 28.5 dB, 1.30 V RMS @ 150 W / 8 Ohm
- Supply: 230 V AC / 50 Hz, (100V AC or 115 VAC / 50-60Hz in some countries)
- Dimensions (HxWxD): 125 x 430 x 430 mm
- Weight: 25 Kg (per unit)
- Note: Specification subject to change without notice



www.normaudio.com - info@normaudio.com - Tel: +39 (0)372 493113