



Technical Features:

- Extreme low noise, high speed, wide band circuit topology (>1 MHz).
- High current MOS-FET power devices (100 A output peak current).
- 8 power devices for a total rated 1000 W power handling capability.
- Selected and matched semiconductors for left and right channels.
- 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 numerous low impedance capacitors.
- Full aluminium non-magnetic frame.
- Toroidal power transformer especially designed for audio applications. Low dispersion flow, low mechanical noise, high permeability magnetic core with consequent low output impedance.
- Very effective DC protection.
- Versatile inputs/outputs (Direct Input for Home Theatre, Tape/External processor Output)
- Input selection done by relay with GOLD/PALLADIUM contacts.
- Automatic microprocessor stand-by, which removes the possibility of interference on analog signal
- All functions controllable by included remote control, 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
- Optional Remote, machined from a full block of aluminium, controls all Nor-

"Upon request, the REVO IPA-70B is also available in black anodized finish"



Technical Specifications:

- Inputs: 4 Line RCA, 1 Direct (AV) IN, 1 Phono MM/MC (optional), USB (Optional) USB and Phono option not simultaneously mountable.
- Inputs Impedance: 10 Kohm
- Outputs: Tape Output
- Phono: MM / MC
- Phono Input Impedance:47 Kohm, 1 Kohm, 500 Ohm. 100 Ohm, Spare Phono Gain USB Input Specifications: 34 dB, 38 dB, 42 dB, 46 dB, 50
- dB, 52 dB, Spare 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: 70 W RMS / 8 Ohm 140W RMS / 4 Ohm (each chan-
- Gain: 34 dB
- Supply: 230 V AC / 50 Hz, (100V AC or 115 VAC / 50-60Hz in some
- Dimensions (HxWxD): 75 x 430 x 350 mm
- Weight: 15 Kg
- Note: Specifications subject to change without notice



Technical Features:

- Extreme low noise, high speed, wide band circuit topology (>2 MHz).
- High current MOS-FET power devices (150 A output peak current).
- 12 power devices for a total rated 1.500 W power handling capability.
- 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 numerous (24) low impedance capacitors.
- Full aluminium non-magnetic frame.
- 2 toroidal power transformers especially designed for audio applications. Low dispersion flow, low mechanical noise, high permeability magnetic core with consequent low output impedance, 2 x 400 VA.
- Very effective DC protection. Customizable inputs/outputs (Direct Input for Home Theatre, active or pas-
- sive Pre Output for subwoofer or Bi-Amping)
- Solid core gold plated RCA plugs.

NORMA HS DA1

Automatic microprocessor stand-by, which removes the possibility of interference on analog signal.

Input selection done by relay with GOLD/PALLADIUM contacts.

All functions controllable by included remote control, 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
- Optional Remote, machined from a full block of aluminium, controls all Norma products.

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



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,
- Phono Input Impedance: 47 Kohm, 1 Kohm, 500 Ohm. 100 Ohm, Spare Phono Gain: USB Input Specifications
- 34 dB, 38 dB, 42 dB, 46 dB, 50 dB, 52 dB, Spare
- 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)
- Supply: 230 V AC / 50 Hz, (100V AC or 115 VAC / 50-60Hz in some

- Dimensions (HxWxD): 125 x 430 x 430 mm
 - Weight: 25 Kg
 - Note: Specifications subject to change without notice

NORMA REVO DS-1, CDP-1BR, DAC-1



Technical Features:

- Two PCM 24 Bit Digital to Analogue converters.
- Digital filter (up to 8x oversampling) with user selectable filter roll-off (Sharp or Slow)
- Proprietary I-V conversion architecture.
- Analog output stage fully based on discrete components. Extreme low noise, high speed, wide band circuit topology ($>\!2$ MHz).
- RCA (Unbalanced) and XLR (Balanced) output connections.
- Separate power supply for Digital and Analog sections. High filtering capacity with numerous low impedance capacitors.
- 15 Power supply regulators Full aluminium non-magnetic frame.
- Toroidal power transformer especially designed for audio applications. Low dispersion flow, low mechanical noise, high permeability magnetic core with consequent low output impedance.
- All functions controllable by included remote control.

- REVO DS-1 and REVO DAC-1 Only 5 digital inputs, USB, 2 x SPDIF RCA, SPDIF OPTICAL, AES-EBU. USB input and
- SPDIF full bandwidth, up to 24 Bit / 192 KHz. Possibility to select the oversampling frequency between 44.1 KHz, 48.0 KHz,
- 88.2 KHz, 96.0 KHz, 176.4 KHz, 192.0 KHz or AUTO. Possibility to customize all parameters for each digital input, including oversampling value, clock source, digital filter, phase.
- Possibility to choose as the master D/A clock source the local oscillator or the clock from the input signal.
- Two separate local clock oscillators 22 MHz / 24 MHz (to better work with 44.1 KHz / 48KHz and multiple frequencies). High Stability local oscillators, with low Jitter and low phase noise.

REVO DS-1 and REVO CDP-1BR Only

High Quality TEAC CD Mechanism, especially designed for Audio CD.

Optional Features:

Optional Remote, machined from a full block of aluminium, controls all Norma products.

"Upon request, the REVO DS-1 is also available in black anodized finish" "REVO DAC-1 available only on request" "Red display available only on request"



Technical Specifications:

Some specifications not applicable to all versions – DS-1, CDP-1BR, DAC-1

- - IN4: TOSLINK OPTICAL, 96 KHz, (192.0 KHz may be achieved, but not guaranteed)
 - Digital Specifications: Sampling Frequencies: 44.1 KHz, 88.2 KHz, 176.4 KHz,
- Clock performances: +/- 2ppm typ. at 25°, +/- 10ppm at 60°.
- Digital Filter: Slow & Sharp mode, based on TI DF1706.
- Oversampling: DF 1706 8x Digital Filter. Oversampling: Filter.
- 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).

Weight: 10 Kg.

- Analogue Output Filter: 0,0 to 180 kHz +/- 3 dB. Analogue Stage Frequency Response: 0,0 to 2 MHz +/- 3 dB.
- Configuration: Solid state. D/A Converters: Burr-Brown PCM 1704 True-Multibit 24 Bit.
- I/V Conversion: I/V Conversion by proprietary topology with discrete
- Supply: 230 V AC / 50 Hz, (100V AC or 115 VAC / 50-60Hz in some country).

Dimensions (HxWxD) : 90 x 430 x 350 mm.

Note: Specification subject to change without notice.

- Input Connections (Only with optional Digital Source board): IN1: USB, 2.0 High Speed
 - IN2: SPDIF RCA, 750hms IN3: AES/EBU XLR, 1100hms
 - IN5: SPDIF RCA, 750hms (IN5 can be set as SPDIF Output by CD Mechanism).
- 48.0 KHz, 96.0 KHz, 192.0 KHz UpSampler Frequencies: 44.1 KHz, 88.2 KHz, 176.4 KHz,
- 48.0 KHz, 96.0 KHz, 192.0 KHz, AUTO MODE Based on TI SRC4392
- De-emphasis: 44.1 KHz, 48.0 KHz, auto e manual mode.
- User selectable: Sharp or Slow filter roll-off.
- Output Impedance: 200 ohm.
- Output Stage: Proprietary topology with discrete components, high linearity & low noise.



Technical Features:

- 5 digital inputs, USB, 2 x SPDIF RCA and OPTICAL, AES-EBU. All parameters customizable for each digital input: oversampling value, clock source, digital filter, phase.
- Two separate local clock oscillators 22MHz / 24 MHz, High Stability, low Jitter and low phase noise.
- Two PCM 24 Bit Digital to Analogue converters. Digital filter (up to 8x oversampling) with user selectable filter roll-off (Sharp or Slow).
- Proprietary I-V conversion architecture. Analog output stage fully based on discrete components.
- Extreme low noise, high speed, wide band circuit topology (>2 MHz). RCA (Unbalanced) and XLR (Balanced) output connections.
- Separate power supply for Digital and Analog sections. High filtering capacity with numerous low impedance capacitors, 15 Power
- supply regulators. Toroidal power transformer especially designed for audio applications.
- HS-DA1 Var
- All features of DAC Version, plus Variable output level, with Direct/Variable selection.
- Remote control of all functions.
- **HS-DA1 Pre**
- All features of DAC Version, plus 2 Analog Input Preamplifier section.

of headphones. (e.g. 10-600 Ohms).

- 2 High Quality Class-A headphone amplifiers. Very low output impedance, to best match all types and impedance values
- 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 done by re-
- Variable output level

Remote control of all functions. "Upon request, the REVO HS DA1 is also available in black anodized finish"

NORMA REVO PA-150, PA-160MR



Technical Specifications

- Connections Digital Inputs: USB, 2x SPDIF RCA, AES/EBU, TOSLINK
- Connections Analog Inputs: 2 line RCA (PRE only)
- Sampling Frequencies: Up to 192.0KHz

RCA output (PRF only)

- UpSampler Frequencies: Up to 192.0KHz or AUTO Connections Outputs: Line RCA output, XLR Balanced, additional Line
- Connections Headphones: 2x 6.3mm Jacks (0.5 0hm Output Impe-
- Outputs DAC Voltage: 3.0 V RMS (+10 dBV) RCA (at 0 dB), 6.0 V RMS (+16 dBV) XLR(at 0 dB) Output DAC and PRE Impedance: 200 ohm
- Gain: 0.5, 5, 6, 10, 17.5 dB (Selectable) (PRE only) Analogue DAC Output Filter: 0,0 to 180 kHz +/- 3 dB

Output Tension: 10V RMS

Analogue DAC Stage Frequency Response: 0,0 to 2MHz +/- 3 dB Configuration: Solid state

Oversampling: DF 1706 8 x Digital Filter

- D/A Converter: PCM 1704 Multibit 24 Bit D/A converter I/V Conversion: I/V Conversion by proprietary topology with discrete
- Analog Stage: Proprietary topology with discrete component, high
- linearity & low noise Supply: 230 V AC / 50 Hz, (100V AC or 115 VAC / 50-60Hz in some

Note: Specifications subject to change without notice

Dimensions (HxWxD): 126 x 215 x 350 mm

Weight: 5 Kg

NORMA REVO SC-2



Technical Features:

- Extreme low noise, high speed, wide band circuit topology (>2 MHz).
- Low dispersion flow, low mechanical noise, high permeability magnetic core with consequent low output impedance.
- 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
- All functions controllable by included remote control, including two-speed volume control (Fine and Fast).

Active and Passive mode selectable also by remote control.

- 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
- Optional Remote, machined from a full block of aluminium, controls all

- High filtering capacity (51.000 uF) with numerous (23) low impedance Toroidal power transformer especially designed for audio applications.
- Full aluminium non-magnetic frame. Configurable RCA (unbalanced) & XLR (balanced) Inputs and Outputs
- Attenuation range of 127.5 dB in 0.5 dB steps, realized only with discrete components, relays and precision resistors.

Optional Features:

- High Resolution DAC board, 24/192.
- Audio-Video application.
- Norma products. "Upon request, the REVO SC-2 is also available in black anodized finish"



- **Technical Specifications:**
- Inputs Impedance: 10 K0hm Inputs Configuration: Line, Balanced, Phono MM/MC, Multichannel & DAC options

IN1: USB, 2.0 High Speed

IN2: SPDIF RCA, 750hms IN3: AES/EBU XLR, 1100hms

Inputs: 4 RCA Unbalanced, 2 XLR Balanced

but not guaranteed) IN5: SPDIF RCA, 750hms

Multichannel Connections (Optional): 2 sets of 6 RCA Inputs and

Phono Input Impedance: 47 KOhm, 1 KOhm, 500 Ohm. 100 Ohm,

IN4: TOSLINK OPTICAL, 96 KHz, (192.0 KHz may be achieved,

Input Connections (Only with optional Digital Source board)

- Outputs Configuration: 1 RCA Unbalanced, 1 XLR Balanced
- 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 rm s

Outputs Impedance: 220 Ohm

- 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

- Technical Features (PA-150):
 - Extreme low noise, high speed, wide band circuit topology (>2 MHz). High current MOS-FET power devices (200 A output peak current PER

Separate power supply for Gain, Driver and Output stages.

16 power devices for a total rated 2.000 W power handling capability.

High speed, low noise regulated power supply for Gain and Driver stages. High filtering capacity (70.000 uF) with numerous (24) low impedance ca-

Very effective DC protection.

Solid core gold plated RCA plugs.

Full aluminium non-magnetic frame. 2 toroidal power transformers especially designed for audio applications. Low dispersion flow, low mechanical noise, high permeability magnetic core with consequent low output impedance, 2 x 400 VA.

Input selection done by relay with GOLD/PALLADIUM contacts.

Automatic microprocessor stand-by, which removes the possibility of interference on analog signal.

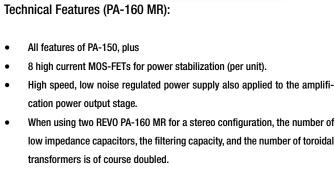
"Upon request, the REVO PA Series is also available in black anodized finish"



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- Inputs: 1 RCA (unbalanced), 1 XLR (Balanced)
- Speaker Outputs: 2 pairs for main outputs (1 pair in PA-160)
- Configuration: Solid state (Dual Mono in PA-150) Output Power (PA 150): 150 W RMS / 8 Ohm - 300W RMS / 4 Ohm (per
- Gain, Sensitivity: 28.5 dB, 1.30 V RMS @ 150 W / 8 0hm Supply: 230 V AC / 50 Hz, (100V AC or 115 VAC / 50-60Hz in some countries)
- Weight: 25 Kg (per unit)
- Note: Specification subject to change without notice



Technical Specifications:

- Input Impedance: 47 Kohm
- Frequency Response: D.C. 2 MHz (-3dB)
- Output Power (PA 160 MR): 160 W RMS / 8 0hm 320W RMS / 4 0hm
- Dimensions (HxWxD): 125 x 430 x 430 mm