High-Fidelity, quality products designed and carefully made by hand in France
Atoll Electronique manufactures what are arguably some of the finest high performance audio electronics at reasonable price points. The company was officially founded in 1997 by brothers Stéphane and Emmanuel Dubreuil with a goal to produce affordable top-level, high fidelity products that are hand-made in France at surprisingly accessible price points. Atoll Electronique's dedication to producing high performance musical playback products is further supported by the company's commitment to the highest quality construction and quality control standards.

Atoll's R&D department invests great effort and time to perfect their current and newly developed products prior to production. The company uses simultaneous and systematic measurements in the selection of key quality components and assemblies. Discrete, symmetrical audio stages are used throughout the products and utilize low or no feedback designs with precise adjustments to yield exceptional musicality and precision. All key components are selected only after extensive research, comparisons and strict measurements. These painstaking efforts produce a sound that is dynamic, detailed and accurate satisfying even the most demanding connoisseur.

All our products are entirely engineered, assembled and thoroughly tested in our factory in Brécey, France. Furthering the company's adherence to quality, all products are tested throughout production with a final 4 step check, thorough listening and a measurement session of each and every unit! Our rigorous manufacturing and quality control standards ensure high quality, high performance and reliable products that are built to last.

Atoll Electronique's products satisfy even the most demanding audiophiles and music lovers worldwide. Distributed in over 30 countries the products have received numerous praise and accolades for their exceptional performance, build quality and beautiful European design.
The CD30 and IN30 entry level products offer serious performance and construction. Used together or as a part of a separate system their performance will astound you with their musical performance not expected anywhere near these price points; exceptional value products.

100% Designed, Handcrafted and tested in France.

- Pure audio CD drive (play CDs; CD - R, CD - RW MP3; CD text access)
- Wolfson converter WM8729 - Symmetrical Output stages with discrete components - Global ATOLL remote control
- USB Input (USB host):
  - Playback of media files in MP3 format (Hard disk, USB key, computer...)
  - Access to the tracks and chapters through the front panel and remote control
- FM Tuner (optional)
  - 60 customizable presets
  - Automatic channel scan

Main Functions:
- Volume setup operated by digital command
- Balance setup
- Optional « wattmeter »
- Electronic protection
- Power: 2X50 W RMS / 8 ohms
  - 2X70 W RMS / 4 ohms
- Symmetrical Output stages with discrete components
- MOS-FET Transistors
- 170 VA toroidal transformer
- 1.5mm steel chassis

Both IN30 & CD30 are available in black grey or lacquered finish.

CD PLAYER / USB / TUNER

CD30

- CD Player
- USB Input (Host)
- Tuner module (optional)

INTEGRATED

IN30

- 4 Inputs (CD, Tuner, DVD, AUX)
- 1 Tape Input (or By-pass)
- 1 media player Input jack (3.5mm)
- 1 Headphones Output (3.5mm)
- 1 Preamp. Output

The serial remote control for the CD30 allows to control the IN30 as well.
All SE-2 CD players models can be equipped with an optional board including 3 digital inputs:

- 1 digital input Coaxial
- 1 digital input Optical
- 1 USB input

CD Players

**CD50SE-2**
- 5 regulated supplies
- WM8729 Wolfson converter
- Dynamic and signal/noise ratio of 106 dB
- Total of capacitors 14 000µF
- MKT condensators
- Pure A class output stages with bipolar transistors

**CD80SE-2**
- 7 regulated supplies
- WM8729 Wolfson converter
- Dynamic and signal/noise ratio of 106 dB
- Total of capacitors 17 000µF
- MKT condensators for audio links
- Pure A class output stages with bipolar transistors

**CD100SE-2**
- 7 regulated supplies
- PCM1796 Burr-Brown converter
- Dynamic and signal/noise ratio of 123 dB
- Symmetrical output stages with discrete components polarized on a class supplied by a specific toroidal 160VA transformer

Technical details on the reference series CD players:
- Pure CD drive (optimized for a significant reduction of the jitter) mounted on an anti-resonant chassis
- Transformer specifically dedicated to audio stages
- SGold plated audio and digital outputs (coaxial)
- Playback of CD, CD - R and MP3
- CD text
- Global ATOLL remote control.

**CD DRIVE**

**DR100SE-2**
- TEAC CD drive designed with specific anti-vibration material
- Separated power supplies for the mechanism and the digital software
- 15VA transformer
- 11 000µF capacitors specially dedicated to the mechanism

**FM TUNER**

**TU80**
The TU80 high precision audiophile FM Tuner stands out because of its excellent musical articulation and the finesse of its timbres.
- 60 customizable presets
- Automatic channel scan
IN50SE
2X50 W_{RMS} / 8 ohms
2X70 W_{RMS} / 4 ohms
Power supply: 170VA

DETAILS OF REFERENCE SERIES:
- Motorized ALPS potentiometer
- Fully symmetrical stages with discrete components, MOS-FET power transistors
- Selection of sources with relays
- MKP technology link capacitors

OPTIONAL BOARDS for IN & PR
AUX. Input can be transformed:
- Phono stage P50 or P100
- Digital Input
- Wireless Input

TRIGGER OPTION
An optional trigger link is possible between PR & AM.

IN80SE
2X80 W_{RMS} / 8 ohms
2X120 W_{RMS} / 4 ohms
Power supply: 340VA

CONNECTINGS
- 5 Inputs
- 1 By-Pass
- 2 Pre-Out
- 1 Headphones

IN100SE
2X100 W_{RMS} / 8 ohms
2X140 W_{RMS} / 4 ohms
Power supply: 670VA

PREAMPLIFIERS:
PR100SE
Power supply: 170 VA
Total of capacitor of 15000 µF
MKT condensators
By-pass Input

PR200SE
Power supply: 340 VA
Total of capacitor of 30000 µF
MKT condensators
By-pass Input

POWER AMPLIFIERS
AM50SE - AM80SE - AM100SE
Stereo amplifiers AM50SE, AM80SE, AM100SE agree in most HIFI or audio-video applications. Very scalable, they can be used alone or in bi-amplification. Moreover, all models can be bridged onto mono block.
The PRESTIGE range offers exceptional musical qualities bringing a large sound realism and a completely mastered sense of power. It is distinguishable by a 8 mm aluminum front panel with dual processing: brushing and microblilage.

**CD PLAYER**

**CD200SE-2**

- Pure audio drive (optimized for a significant reduction of the jitter) mounted on an anti-resonant chassis
- 160VA Toroidal transformer specifically dedicated to Output audio stages
- 15VA transformer dedicated to digital stages
- 7 regulated supplies with one specifically dedicated for the converter
- BURR-BROWN converter PCM1792:
  - 24bits/192 kHz, oversampling 8x
  - 129 dB dynamic: signal/noise ratio of 129 dB
  - Differential current outputs

**CD DRIVE**

**DR200SE-2**

- TEAC CD drive designed with specific anti-vibration material
- Separated power supplies for the mechanism and the digital software
- 30VA transformer
- 24 800µF capacitors specifically dedicated to the mechanism
- Chassis treated against parasite vibrations
- 8 mm aluminium front panel

**CD-SACD PLAYER**

**SACD200**

- 160 VA toroidal Transformer for audio output stages
- BURR-BROWN PCM converter 24bits/192 kHz
- Full discrete differential A-class output stages
- Audio class MKP capacitors
- Exclusively linear power supply for all stages
- SACD stereo and multichannel

**CONVERTER**

**DAC200**

Audio:
- BURR BROWN Converter PCM1792 (24 bits/192 kHz)
  (129dB dynamic range: THD+n<0.0004%)
- Symmetrical outputs current
- Symmetrical power transformers for output stages
- Output stages with discrete components and no feedback
- High technology MKP condensators

End users:
- Serial remote with volume control and sources selection
- Front panel with volume control by encoder and direct sources keys
- Digital display of volume level & sources
- Accepted format on optical & coaxial inputs: 16-24bits (44,1-48-96-192kHz)
- Accepted format on USB inputs: 16-24bits (32-44,1-48-96kHz)

**OPTIONAL CONVERTER BOARD**

The CD200SE-2 can be equipped with an optional board including 3 digital inputs (USB-B: coaxial, optical).
- 1 digital input Coaxial (24 bits/192kHz.)
- 1 digital input Optical (24 bits/192kHz.)
- 1 USB input (24 bits/96kHz.)
**Characteristics of IN200SE and couple PR300SE/AM200SE:**

- Symmetrical Output stages with discrete components
- Double pair of MOS-FET transistors on each channel (IN200SE & AM200SE)
- Complete settings (from the front panel or with the remote control) of the balance and volume (IN200SE & PR300SE)
- Direct access to each inputs from the front panel or with the remote control
- 5 inputs (with 1 AUX. for optional Phono or digital board)
- By-pass input
- Headphones jack

**INTEGRATED**

**IN200SE**

2X120 W<sub>RMS</sub> / 8 ohms
2X200 W<sub>RMS</sub> / 4 ohms

Double mono power supply: 2X330VA + 10VA

**CONNECTINGS**

- 5 Inputs
- 1 By-Pass
- 2 Pre-Out
- 1 Headphones
- 1 Trigger out

**PREAMPLIFIER**

**PR300SE**

Power supply: 340VA
Total of capacitors: 30 000 µF
Rising time: 1.3µs

**OPTIONAL BOARDS**

for IN & PR

AUX. Input can be transformed:
- Phono stage P50 or P100
- Digital Input
- Wireless Input

**TRIGGER LINK**

A trigger link is available for IN100SE, PR300SE & AM200SE

**POWER AMPLIFIER**

**AM200SE**

2X120 W<sub>RMS</sub> / 8 ohms
2X200 W<sub>RMS</sub> / 4 ohms

Double mono power supply: 2X330VA + 10VA
Possibility to bridge in mono bloc
STREAMERS

ST100SE

- 4 mm aluminum front panel (black or silver)
- Power Supply: 30 + 3.2 VA
- Total of capacitors: 9858 µF
- Converter: BURR-BROWN (PCM 1796) 24bits-192kHz
- Signal/noise ratio: 123 dB
- Dynamic: 123 dB

ST200SE

- 8 mm Aluminum front panel (black or silver)
- Power Supply: 30 + 5 VA
- Total of capacitors: 12 178 µF
- Converter: BURR-BROWN (PCM 1792) 24bits-192kHz
- Signal/noise ratio: 129 dB
- Dynamic: 129 dB
- Audio filtering condensators with silver plated mica technology

CONNECTING: (ST100SE & ST200SE)

- 2 USB « A » inputs (24 bits/96KHz) [1 front & 1 rear].
- 1 RJ45 input and 1 WiFi antenna
- 3 digital inputs:
  - 1 USB « B » asynchronous (24bits/192kHz)
  - 1 Coaxial SPDIF (24 bits/192KHz)
  - 1 Optical SPDIF (24 bits/192KHz)
- 1 Bluetooth® input
- 2 stereo analog Inputs
- 1 pair of analog RCA input
- 2 digital inputs [coaxial & optical]
- 1 headphones input [on front panel]

END USERS

Control with a free downloaded iOS or Android app.

Serial remote control
(volume control, inputs selection, web radio setup...)

TECHNICAL SPECS FOR ST100SE & ST200SE

HIGH DEFINITION STREAMER:

- Reads all audio files of the network (DLNA compatible)
- Readable formats (up to 24bits/192kHz): WAV, AIFF, FLAC ALAC, MP3...
- Displays of all information’s [covers, file names, time...] from USB-A or network “gapless” system [uninterrupted playback of consecutive audio tracks]
- Possible update of the software from the device
- 3,5” QVGA TFT color display

INTERNET RADIO:

Direct access to internet radios (MP3 or HD) by the vTuner system:
choice in 15000 stations, 120 countries, 56 genres, podcasts...

PREAMP INCLUDING ANALOG VOLUME CONTROL:

- Symmetrical outputs stages with discrete components polarized in A class
- Analog volume control [with commutated resistors] with possible By-Pass
- Transformer specifically dedicated to audio stages

1 Bluetooth® receiver [I2S interfaced to the PCM5102]
ALL-IN-ONE

STREAMER
DAC
AMPLIFIER

CHARACTERISTICS FOR SDA100 & SDA200

STREAMER:

All audio files linked to the network can be read: FLAC/WAV up to 24 bits/192kHz, ALAC, AIFF, MP3… Displays of all information’s (covers, files names, time…) “gapless” system (uninterrupted playback of consecutive audio tracks)

Radio Internet:

- Internet radios (MP3 or HD) with vTuner system: choice in 15000 stations, 120 countries, 56 genres, podcasts…
- Radio’s logos displays and all information’s available (titles, artists…)

1 Bluetooth® receiver (I2S interfaced to the PCM5102)

Audio specs:

Converter: PCM5102 (SNR: 112dB)
Symmetrical audio stages with discrete components polarized in AB class
MOSFET power transistors
Analog volume control (with commutated resistors) with possible By-Pass
MKP audiophile capacitors armored in an aluminum enclosure

End users:

3.5” QVGA TFT color display
Remote control (volume control, Inputs selection, web radio setup…)
Control with a free downloadable Apple® or Android® app.

SDA200

2X80 W_RMS / 8 ohms
2X120 W_RMS / 4 ohms
Power supply: 340 VA + 30VA

DAC & Pre-amp / connecting:

2 USB « A » inputs (1 front & 1 rear) up to 24 bits/192kHz
- 3 digital Inputs:
  - 1 USB « B » (asynchronous 24 bits/192KHz)
  - 1 Coaxial SPDIF (24 bits/192KHz)
  - 1 Optical SPDIF (24 bits/96KHz)
- 1 RJ45 network link
- 1 Wifi antenna
- 1 Stereo RCA analog Output
- 1 Trigger 12V output
- 1 headphones Output (on front panel)
- 1 pair of terminal Outputs

SDA100

2X60 W_RMS / 8 ohms
2X70 W_RMS / 4 ohms
Power supply: 160VA + 30VA

Remote control on serial
**MINI LINE**

**CONVERTER**

**DAC100SE**

- 2 independent transformers (with 1 exclusive for analog audio)
- 7 regulated supplies
- D/A Converters: BURR BROWN PCM 1796
- Output stages with discrete components without feedback
- MKP capacitors for audio links
- Accepted format for optical and coaxial inputs:
  - 16-24bit (44.1kHz, 48kHz, 96kHz and 192kHz)
- Accepted format for the USB input: 16bits [32kHz, 44.1 kHz, 48kHz]
- Optional remote control for volume control and sources selection

**HEADPHONES AMPLIFIER / DAC / PREAMPLIFIER**

**HD100 - HD120**

- 2 Headphones Jack Outputs (6.35mm – 1/4”)
- Inputs Selection and Indicators
- Analog Volume Control (ALPS potentiometer)
- Optional Remote Control (volume and sources selection)
- Stand-by

**POWER AMPLIFIER**

**MA100**

2x60 W RMS / 8 ohms
2x80 W RMS / 4 ohms
Power Supply: 170VA

- Fully symmetrical stages with discrete components
- Single pair of MOS-FET transistors per channel on outputs
- 170VA toroidal transformer
- Stereo/Mono bridge

**STREAMER MS100**

Audio Streamer based on the same streaming platform and display as ATOLL Streamers able to read almost all audio files (up to 24 bits/192kHz) via network and USB.

**Network Streamer:**
Displays of all information's (covers, files names, time...) “gapless” system (uninterrupted playback of consecutive audio tracks). Readable formats: FLAC/WAV 176.7kHz & 192kHz/24bits, ALAC, AIFF, MP3...

Possible update via internet:
- Wifi or RJ45 network connection
- Internet radio (vTuner – 15 000 radios + podcast)
- 2 USB-A inputs: 1 front & 1 rear
- 2 digital outputs (optical & digital)
- 1 analog output
- Control by app (Android & Apple)
- Remote control included (able to control also other Atoll's products)
**AUDIO/VIDEO PREAMPLIFIER**

**PR5.1**

Born from our experience in the field of sound reproduction, the PR5.1 gives you a realistic listening, precise and superbly musical. On the cutting edge of audio technology and equipped with multiple audio and video interconnect options, it fits perfectly into Hi-Fi and Home theater systems. As well, it stands out for ease of use and its unique quality/price ratio.

**Technical facts:**
- Fully symmetrical stages with discrete components on the 5 channels;
- Specific toroidal transformer (160 VA) for audio section;
- Optional DSP/processor board compatible DTS/DOLBY-AC3/DOLBY-PROLOGIC II;
- DSP CRYSTAL; converters BURR-BROWN 24 bits/96 kHz.
- 4 audio (stereo) inputs;
- 2 audio (video) inputs;
- 2 audio “6 channel” inputs;
- 6 digital inputs (3 coax. & 3 optical);
- 3 video inputs (composite & S-VIDEO);
- 2 video outputs (composite & S-VIDEO);
- 2 digital outputs (1 coax. & 1 optical);
- 1 audio “5+1 channel” output.

**3 CHANNEL AMPLIFIERS**

**AV50 - AV80 - AV100**

Combined with Stereo Integrated or amplifiers, 3 Channel power amplifiers, AV50, AV80 & AV100 are ideals for 3 channel audio-video system.

**PHONO PREAMPLIFIER**

**PHONO PREAMP**

**P200SE**

- Symmetrical stage with discrete components
- MM/MC setup
- Audio class MKP capacitors
- Separated power supply
- 8 mm aluminium front panel (black or silver)

**OPTIONAL BOARDS**

ATOLL proposes a complete line of Phono boards which can be mounted on all IN & PR models (except IN30) OF Reference & Prestige series.

**WIRELESS BOARD**

This option is composed with a USB dongle and a receiver reception board with antenna. These elements establish a binding to transfer audio signals (regardless of the type of files or software) all exclusive wireless to the reception board pre-equipped on the AUX input. Binding is done directly to your ATOLL’s device from this USB stick suitable on any computer.

Audio performances:
- Transmission is equal to the CD format (16 bits/44 kHz) without any compression.
- Reception board is equipped with a Burr Brown PCM1754 converter (24 bits/192kHz).

**Digital Board SPDIF**

This board allows to convert digital SPDIF format [up to 24bits/96kHz].
### TECHNICAL FACTS

<table>
<thead>
<tr>
<th>Parameter</th>
<th>IN 30</th>
<th>IN 50SE</th>
<th>IN 80SE</th>
<th>IN 100SE</th>
<th>IN 200SE</th>
<th>PR 100 SE</th>
<th>PR 200SE</th>
<th>PR 300SE</th>
<th>AM 50SE AV100</th>
<th>AM 80SE AV100</th>
<th>AM 100SE AV100</th>
<th>AM 200SE AV100</th>
<th>AV 500</th>
<th>CD 30</th>
<th>CD 500 SE-2</th>
<th>CD 900 SE-2</th>
<th>CD 1000 SE-2</th>
<th>CD 2000 SE-2</th>
<th>DVD SACD 200</th>
<th>TU 80</th>
<th>PRS.1</th>
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<tr>
<td>Power Wrms/channel/8 Ω</td>
<td>50 W</td>
<td>50 W</td>
<td>80 W</td>
<td>100 W</td>
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<td>Power Wrms/channel/4 Ω</td>
<td>70 W</td>
<td>70 W</td>
<td>120 W</td>
<td>140 W</td>
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<td>Impulse power</td>
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<td>25 700</td>
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<td>Number of inputs</td>
<td>4 + 1 Monitor (stereo)</td>
<td>AM: 2</td>
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<td>Input impedance (kΩ)</td>
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<td>Sensitivity (mV)</td>
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<td>Rising time</td>
<td>3 µs</td>
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<td>Bandwidth (-3 dB)</td>
<td>5 Hz- 100 kHz</td>
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<td>Signal/noise</td>
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<tr>
<td>Distorsion at 1kHz</td>
<td>0.05% /10W</td>
<td>0.05% /10W</td>
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<tr>
<td>Dimensions</td>
<td>440 x 90 x 280 mm</td>
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<tr>
<td>Weight (kg)</td>
<td>4</td>
<td>7</td>
<td>8</td>
<td>10</td>
<td>11</td>
<td>7</td>
<td>8</td>
<td>9</td>
<td>7</td>
<td>8</td>
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<td>11</td>
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<td>8</td>
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</tr>
</tbody>
</table>

(*) All stereo power amplifiers are mono block bridgeable: respective power are x 2.5.

### REMOTE CONTROL

The global remote control is available on option for IN30, IN50se, IN80se, IN100se, PR100se, PR200se, DAC100se and Tuner.

It is on serial with IN200se, PR300se, PR5.1, DAC200 and with all CD players.

### FINISH:

Possible finish for Reference and Prestige series:

- **Black**
- **Silver**

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Web: www.atoll-electronique.com

e-mail: mail@atoll-electronique.com

Dealer's stamp

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Brochure available for the 400 series including IN400 - PR400 - AM400 - CD-DR400se