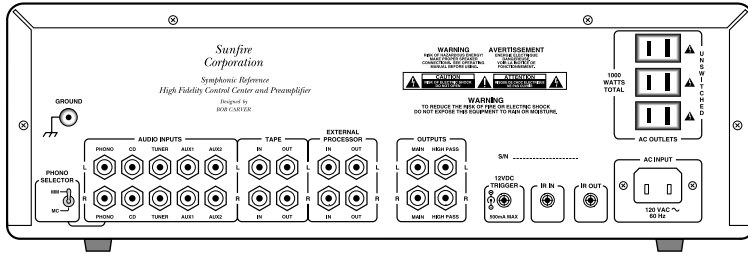
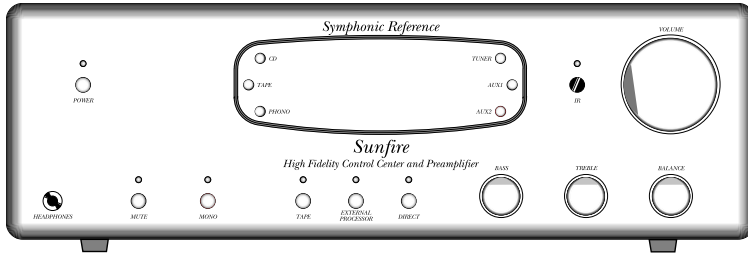
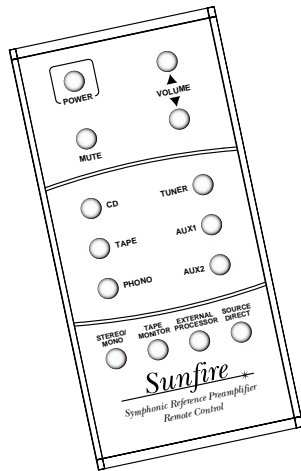


# Symphonic Reference Preamplifier



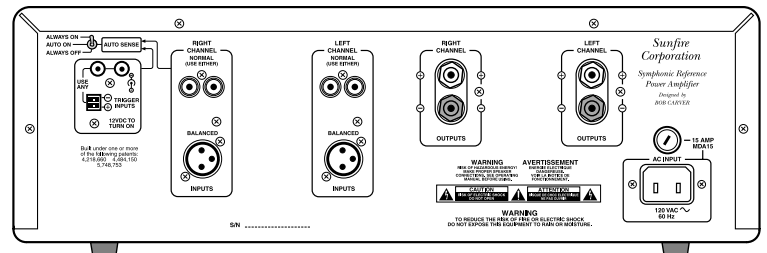
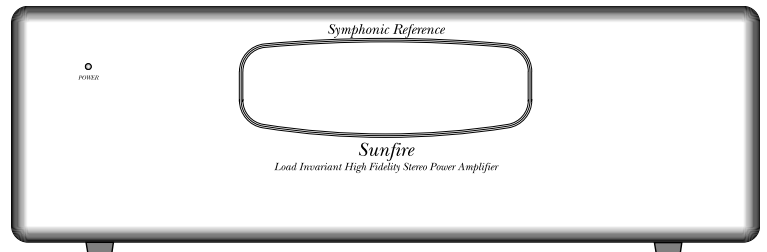
- Pure high fidelity stereo preamplifier
- Five line-level L/R inputs
- One low noise Phono input with moving magnet and moving coil cartridge selector switch
- Full range line-level L/R output
- High-pass line-level L/R output
- Tape monitor loop
- External processor loop
- Direct bypass mode
- Treble and bass tone controls
- Balance control
- Motorized volume control with remote control
- Mute switch
- Mono switch
- 1/4" Headphone jack
- Illuminated input switches
- Infrared input and output ports
- 12 VDC trigger for turning on amplifiers
- IEC removable power cord
- Three unswitched convenience outlets
- Gorgeous monolithic milled aluminum styling and finish
- Black anodized long-grained aluminum front panel with blue and gold LED indicators
- 17 inches wide
- Milled aluminum remote control has matching styling and finish



# Bob Carver's Sunfire

...from his mind & soul

# Symphonic Reference Amplifier



- Designed specifically to match the Sunfire Symphonic Reference Preamplifier
- Two channel power amplifier in a 17" wide chassis
- **250 watts rms per channel into 8 ohms, from 20 Hz to 20 kHz with no more than 0.5% THD**
- 500 watts rms per channel into 4 ohms
- Outrageously low -115 dB Noise
- An enormous power source provides the ultimate muscle for limitless dynamics
- Peak-to-peak current output capability is 80 amperes per channel
- The amplifier can drive almost **any** load to **any** rationally usable current or voltage level.
- MOSFET tracking downconverter
- 12 VDC trigger input for remote turn-on
- The intrinsic frequency response extends from 1 Hz to beyond 100 kHz
- IEC removable power cord
- Gorgeous monolithic milled aluminum styling and finish
- Black anodized long-grained aluminum front panel with blue power indicator

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# Preamplifier Specifications

## Line input to Main output

Line Gain: 17.7 dB +/- 0.5 dB

Max level out: 7.2 Vrms at 1 KHz

Max level in: 10 Vrms at 1 KHz

Separation: > 70 dB at 1 KHz  
> 50 dB at 10 KHz

Frequency Response:  
20-20 KHz +/- 0.2 dB

THD:(2 V out) <0.005% 20-20 KHz

S/N (2 V out, A-weighted):  
>100 dB

Crosstalk between inputs:  
> 100 dB  
(2 V in, 1 KHz)

Mute: > 50 dB

## Phono section

Phono Gain:  
MM = 41 dB +/- 1 dB  
MC = 65 dB +/- 1 dB

Phono Noise:  
MM > 82 dB  
MC > 71 dB

Phono Input Impedance  
MM 47K ohms  
MC 240 ohms

## Tone Controls

Tone Response 100 Hz, 10 KHz

Bass Boost +13.5 dB +/- 1 dB

Bass Cut -5.2 dB +/- 1 dB

Treble Boost +4.5 dB +/- 1 dB

Treble Cut -3.5 dB +/- 1 dB

## High pass section

Freq Response: -3 dB at 80 Hz,  
12 dB / octave

## Trigger Outputs

12 VDC Trigger, current less than  
500 mA total

## Infrared ports

Optically Isolated  
Standard 1/8" mini jacks  
Standard 12 V signal level

## Dimensions

17" W x 5.75" H x 16.5" D

## Net Weight

16 lbs

# Amplifier Specifications

## Power output

**250 watts continuous, per channel,  
both channels driven into eight  
ohms, from 20 Hz to 20 kHz with no  
more than 0.5% T.H.D.**

## Power at clipping, minimum:

500 watts per channel into four ohms.

## Hum and Noise

-115 dB, A-Weighted

## Maximum output current

80 amperes peak to peak per channel

## Maximum output voltage

45 Vrms

## Input impedance, RCA inputs

24 k $\Omega$

## Input sensitivity for rated output

Unbalanced: 1.6 Vrms

Balanced: 0.8 Vrms

## Input impedance, XLR input

24 k $\Omega$ , each leg balanced to ground

Female XLR

Pin 1 ground

Pin 2 positive (hot)

Pin 3 negative (cold)

## 12 VDC Trigger Inputs

Input voltage range

5 VDC-18 VDC

Input impedance

Approximately 600  $\Omega$

(20 mA at 12 V)

Removable terminal block

Dual 1/8" minijacks for daisy-  
chaining

## Power Consumption

45 W at idle

200 W typical (1/8th power)

1800 W absolute maximum  
(fuse limit)

## Dimensions

17.0 inches wide

5.75 inches high (with feet)

16.5 inches deep (to tips of  
connectors)

## Weight

30 lbs

## Finish

Brushed aluminum and black  
anodize

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914-025-00 Rev 2

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