Component Video/Audio Booster

HDTV Booster

CONFORMANCE TEST REPORT

FOR **EN 61000-6-1 / EN 61000-6-3**

CE **Report Number : ET94S-06-092-01**

FOR **FCC 47 CFR / Part 15 Subpart B**

FC **Report Number : ET94S-06-092-02**

Model Number : SB-2820

Comment Number :
SB-2819, SB-2818, SB-2817, SB-2816
SB-2815, SB-2814, SB-2813, SB-2812
SB-2811, SB-2810, SB-2809

Input/output : Component Video(YPbPr/YCbCr)

Booster range : +0db ~ +6db
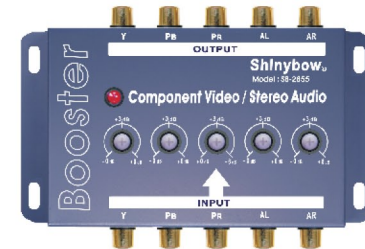
Power Input : +DC12V , @300mA ⊖─◖─⊕

Instruction Manual

SHINYBOW™USA

HDTV Booster

COMPONENT/AUDIO BOOSTER

Component Video (YPbPr/YCbCr)

Model : SB-2820 (RCA)

Model : SB-2819 (BNC)

Component Video / Stereo Audio Booser Series

Thank you for purchasing the SB-2820, SB-2819 Component Video (YPbPr/YCbCr)/Audio Signals booster. You will find this unit easy to install and highly reliable but it is essential that you read this manual throughly before attempting to use booster.

Introduction

Congratulations on your purchase of one of the most innovative Component Video /Stereo Audio) Signals to HDTV booster on the market today. SB-2820 and SB-2819 are the Component Video and Stereo Audio signals booster. SB-2820 use by RCA connectors. SB-2819 use BNC connectors. This product provide SDTV or HDTV outputs quality that are identical to the source YPbPr/YCbCr quality signals. He is useful for extend Component Video/audio signals from the High Resolution quality of DVD component video up to distance 300ft ~1000ft of SDTV or HDTV monitor.

Before you make any connections

Make sure the Video Player to be connected to the HDTV Monitors are functioning according to their respective operation manuals before connecting them.
Always connect the Booster to the HDTV Monitors at a time and make sure each works just as it did before it was connected.

Supplied Accessories

Check that you have the following components in your converter pack ;
(1) 1 Instruction Manual
(2) 1 SB-2820 / SB-2819 console
(3) 1 AC Adaptor : 12VDC,@300mA ⊖─©─⊕

AC/DC Adaptor Types : CE/UL/SAA/BS

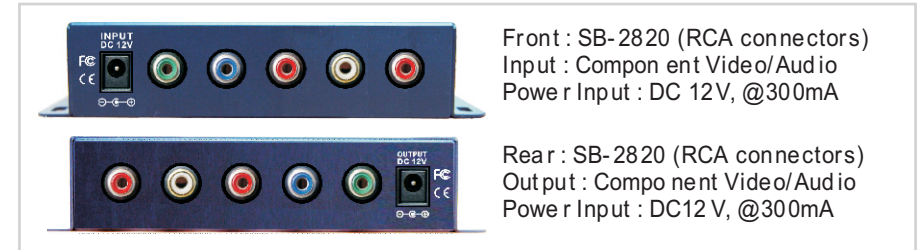UK BS/CE   Europe CE   Middle Asia   Australia SAA

Specifications

Model Number	SB-2820 (RCA), SB-2819 (BNC)
I/O port number	1x input to 1x output
Type of Signals	Component Video / Stereo Audio
Input	Component Video Y/Pb/Pr, Y/CbCr, red, green, blue signals 1.00Vpp/75Ω, SB-2819 Component Video on BNC connector.
Output	Component Video Y/Pb/Pr, Y/CbCr, red, green, blue signals 1.00Vpp/75Ω, SB-2819 Component Video on BNC connector.
Video Bandwidth	>440MHz, G=+2,
Small Signal Bandwidth(-3db)	1Ghz, G=+1, 700MHz, G=+2,
Setting time	10ns to 0.1%, 2V Step, G=+2
Low Distortion (SFDR)	-66 dBc @ 20MHz, Second Harmonic
	-75 dBc @ 20MHz, Third Harmonic
Third Order Intercept(3IP)	26 dBm @ 70MHz, G=+10
Gain Flatness	0.1dB to 75 Mhz
Differential Gain Error	0.01%, R_L=150 Ω
Differential Phase Error	0.01%, R_L=150 Ω
In/Out Terminal	SB-2820 use RCA connectors, SB-2819 use BNC female connectors.
Size (L,W,H)	4.09 in x 2.83 in x 1.00 in (104mm x 72mm x 25mm)
Net Weight (Unit only)	1.00 lbs. (0.60kg) Approx.
Power Consumed	250mA Maximum
Power Source	DC 12 Volts, @300mA~500mA.

Safeguards and Precautions

A. Keep this unit away from fire, extremely hot areas, water or moisture of any Kind.
B. Do not place this unit on any support that is not firm, level and strong.
C. Do not service the unit yourself. Opening the unit's housing will void the warranty.
D. Servicing must be by Shinybow or by an authorized technician.
C. Illegal duplication of copyrighted material is strictly prohibited by Federal Laws.

Typical Hookup and Operation

Front : SB-2820 (RCA connectors)
Input : Component Video/Audio
Power Input : DC 12V, @300mA

Rear : SB-2820 (RCA connectors)
Output : Component Video/Audio
Power Input : DC12V, @300mA

Front : SB-2819 (BNC connectors)
Input : Component Video/Audio
Power Input : DC 12V, @300mA

Rear : SB-2819 (BNC connectors)
Output : Component Video/Audio
Power Input : DC12V, @300mA

Booster Range : +0db~+6db

APPLICATIONS: SDTV / HDTV / Plasma Monitors

Component Video Players

BOOSTER

Input DC12V

AC POWER OUTLET

HDTV

Extension : 300~1000ft