

8x HDTVs Distribution Amplifier

Model : SB-3770

- Video : Component Video YPbPr(YCbCr)/RGB
- Coaxial : Digital Audio , PCM , CV **110 Mhz**
- Audio : Stereo Audio(AR-HD/AL-VD)
- **Processing**

Accepted: 480i, 480P, 720P50, 720P59, 720P60, 1080i50, 1080i59, 1080i60, 1035i59, 1035i60, 1080P23, 1080P24, 1080P25, 1080P29, 1080P30, 1080P50, 1080P59, 1080P60.

CONFORMANCE TEST REPORT

FOR **EN 55013 / EN 55020**

CE Report Number : ET94S-03-081-01

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

FC Report Number : ET94S-03-081-02

Model Number : SB-3790

Comment Number :

SB-3770, SB-3772, SB-3774, SB-3776

SB-3778, SB-3780, SB-3782, SB-3784

SB-3786, SB-3788

- Component Video : YPbPr, YCbCr or RGB
- Digital : PCM or Composite Video
- Stereo Audio : AR, AL

Power Input : Single Unit DC +12V, @300~1200mA. 
More Units Connection DC +12V, @1200~1500mA.

Safety Notice!

To prevent damage to your television equipment use only the supplied AC Adaptor and make the power connections to your television.

Instruction Manual

SHINYBOW™ USA

HDTV DISTRIBUTION AMPLIFIER

1 input > 8 outputs with VR+Loop Output

- Component Video : YPbPr, YCbCr or RGB
- Composite Video use in any Component port
- Digital : Digital Audio or PCM or Composite Video
- Stereo Audio : AR, AL



Model : SB-3770

1x8 HDTVs DA+BOOSTER

HDTV Distribution Amplifier Series



Thank you for purchasing the SB-3770 HDTV Distribution Amplifier. You will find this unit easy to install and highly reliable but it is essential that you read this manual thoroughly before attempting to use Amplifier.

Introduction

Congratulations on your purchase of one of the most innovative HDTV Distribution Amplifier as Component Video(YPbPr/Y CbCr/RGB) Signals distribution product on the market Today. SB-3770 is a HDTV Component Video Distribution Amplifier and have 8 outputs with a Loop output function, Output 1 To Output 7 Be VR adjust value from +0db To +6db range. This amplifier can Connection more than 10 units and for more then 71 TV Monitors. This product provide multiple Component Video outputs that are identical to the source signal. He is useful for distributing signals from High quality component Devices, Camcorders, Game consoles, Video CDs, DVDs, Satellite Receivers, STD Set Top Boxes, etc.

Before you make any connections

Make sure all Video devices to be connected to the HDTV Distribution Amplifier are functioning according to their respective operation manuals before connecting them. Always connect the A/V devices to the HDTV Distribution Amplifier one at a time and make sure each works just as it did before it was connected.

Safeguards and Precautions

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

Supplied Accessories

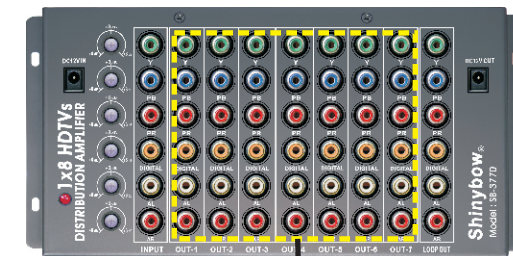
Check that you have the following components in your converter pack ;

- 1 Instruction Manual
- 1 SB-3770 Amplifier console
- 1 AC Adaptor : 12VDC.@500mA

SPECIFICATION:

| Model Number | SB-3770 |
|------------------------------|--|
| Input/output | 1 in x 8 out Distribution Amplifier with Loop output function |
| Type of Signals | Component Video/Digital Audio/Stereo Audio |
| Input | 1 x Video- 1 x Audio- * Component Video : YPbPr, YCbCr, RGB * Digital Audio (COAX) or Composite Video (CV), Signal Bandwidth 110MHz. Liner-phase pass Band unity-gain. 1Vpp,Terminated to 75 ohms. * Stereo Audio - (Standard Left/HD, Right/VD pairs) |
| Output | 8 x Video- 8 x Audio- * Component Video : YPbPr, YCbCr, RGB * Digital Audio (COAX) or Composite Video (CV), Signal Bandwidth 110MHz. Liner-phase pass Band unity-gain. 1Vpp,Terminated to 75 ohms. * Stereo Audio - (Standard Left/HD, Right/VD pairs) |
| Video Bandwidth | >700MHz, 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 |
| VR Booster Range | +0dB to +6db, VR port of output 1~output 7 |
| Loop output | Loop Output port output 8, Extension amplifier about 10 units. |
| Booster | +0dB to +6dB |
| Differential Gain Error | 0.01%, RL=150Ω |
| Differential Phase Error | 0.01%, RL=150Ω |
| In/Out Terminal | Color-coded RCA female connectors. |
| Size (L,W,H) | 17.32 in x 7.9 in x 1.7in (440x200x44mm) |
| Net Weight (Unit only) | 5.00 lbs. (2.30kg) Approx. |
| Power Consumed | 350mA Maximum |
| Power Source | DC 12 Volts, @500mA or up |

Typical Hookup and Operation



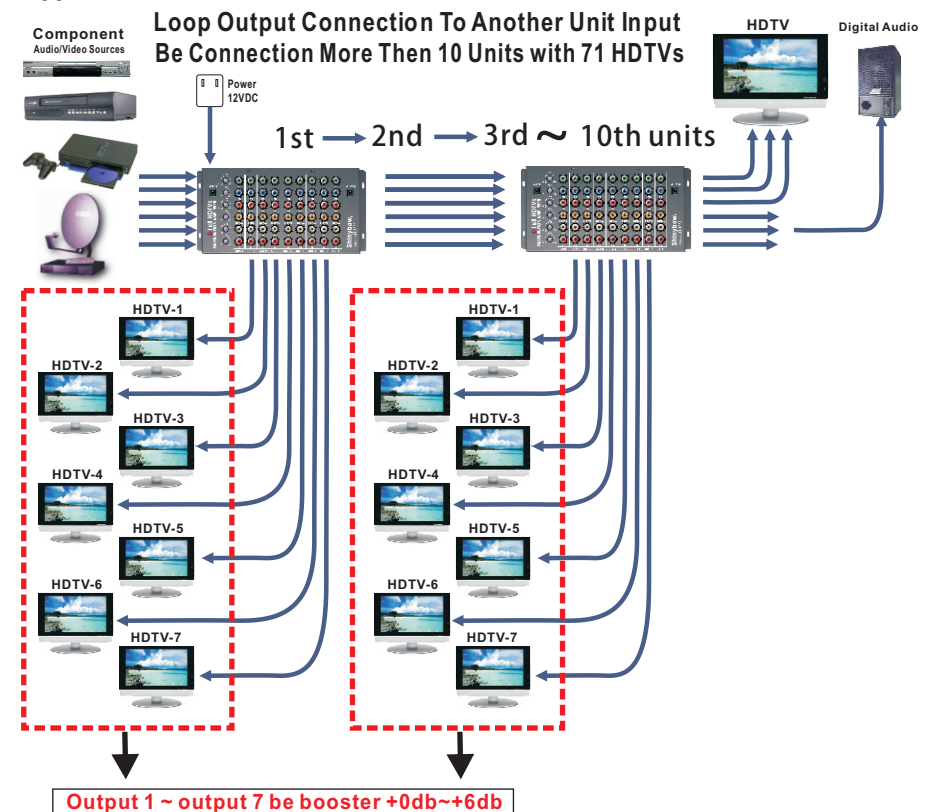
Front View :

- Power Input : DC12V.
- VR Range from +0db~+6db use in output 1 ~ output 7
- Component Video(YPbPr) or Composite Video
- Digital (PCM/Digital Audio) or Composite Video
- Stereo Audio (AR/AL)
- Loop Output function

Output 1 ~ output 7 be booster +0db~+6db

Installing;

Applications: VCRs, Video Cds, DVDs, STBs, Game consoles, Satellite Receiver



Congratulations! The Distribution Amplifier is now ready for use.
Switch on your player and TV and enjoy high quality color.