

Multisystem Digital Converter

From Input NTSC 3.58, NTSC 4.43, PAL (B,D,G,I), PAL M, PAL N, SECAM
To Output NTSC 3.58, NTSC 4.43, PAL (B,D,G,I), PAL M, PAL N

Operation Manual

Precautions

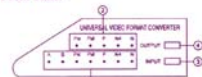
1. Do not expose this product to direct sunlight.
2. Keep the unit away from radiator, heat sources and magnetic field.
3. Do not place it in very dusty or humid locations.
4. Use this unit in a horizontal position only.
5. Do not put heavy object on top of the converter.
6. Put the unit in an open space that has a good ventilation.
7. Keep the unit away from TV or other electronic equipment if the unit is affected.
8. Unplug the unit from the power supply when it is not to be used for a long period of time.

Features

- Input auto detecting.
- Digital conversion from input TV signals of NTSC, N4, PAL, PAL M, PAL N, SECAM to output signals of NTSC, N4, PAL, PAL M, PAL N.
- Digital line (525 \rightleftharpoons 625 lines) and field (60 \rightleftharpoons 50 fields) conversion.
- 4M bit field memory.
- Built in time base correction (T.B.C.) function for signal synchronization.
- Built in automatic gain control (A.G.C.) function ensures 1 Vp-p output signal (input level can range from 0.5 Vp-p to 2 Vp-p).
- Full digital decoding and encoding; highly integrated digital processing reduces the board size and ensures reliable quality.
- The unit will automatically send out a color bar picture when there is no video signal present on the input.

Operation Controls and Functions

Front Panel



7. Illuminate when input system is set to SECAM.

Note : When in auto detection mode one of the system indicator will also illuminate to show video system of the input.

①. Input video system indicator

AUTO, N3, N4, PAL, PAL M, PAL N, SECAM

1. Illuminate when input auto detection mode is selected.
2. Illuminate when input system is set to NTSC 3.58.
3. Illuminate when input system is set to NTSC 4.43.
4. Illuminate when input system is set to PAL (BDGJK).
5. Illuminate when input system is set to PAL M.
6. Illuminate when input system is set to PAL N.

②. Output video system indicator

N3, N4, PAL, PAL M, PAL N

1. Illuminate when output system is set to NTSC 3.58.
2. Illuminate when output system is set to NTSC 4.43.
3. Illuminate when output system is set to PAL (BDGJK).
4. Illuminate when output system is set to PAL M.
5. Illuminate when output system is set to PAL N.

④. Input system select button

Each depression of the button step through a series of video system and auto detection mode.

The sequence of selection is as follows.
Auto (detection)→NTSC 3.58→NTSC 4.43→PAL BDGI→PAL M→PAL N→SECAM

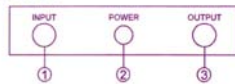
④. Output system select button

Each depression of this button step through a series of output video system. The system are selected in the following order.

NTSC 3.58→NTSC 4.43→PAL BDGI→PAL M→PAL N

Operation Controls and Functions

Rear Panel



1. Video input.
2. DC power supply 15V input.
3. Video output.

Specifications

Input TV Systems	NTSC, N4, PAL, PAL M, PAL N, SECAM, AUTO
Output TV Systems	NTSC, N4, PAL, PAL M, PAL N
Connection Terminals	Video Input : 1 Video Output : 1
Sampling Frequency	Y : 13.5 MHz R-Y : 6.75 MHz B-Y : 6.75 MHz
Digital Code Bit	Y : 8 bits R-Y : 8 bits B-Y : 8 bits
Line Conversion	525 ⇄ 625 Lines
Field Conversion	60 ⇄ 50 Fields
Power Supply	DC 15Volts 450 mA
Dimensions	145(W)mm X 95(D)mm X 34(H)mm
Weight	1.0Kgs
Accessory	One set of Video Cable, AC adaptor

Specifications subject to change without notice

Connection and Installation

