

# **DTT-1**

## **Digital Time / Date Titler**

### **Operation Manual**

**PAL Format  
24 Hour Time**

#### **Programming**

The DTT-1 is programmed by sequencing through the prompts with the **Select** button, then altering the on-screen information using the **Up** and **Down** buttons. When a portion of the on-screen information is selected, it will flash; this indicates that it may be altered using the **Up** and **Down** buttons.

- 1) Press the **Select** button to begin programming. The **Setup** indicator (green LED) will light, and the first character of the 20 character titler will begin flashing.
- 2) Use the **Up** and **Down** buttons to scroll through the available characters.
- 3) When the desired character is displayed, select it by pressing the **Select** button. This will set the selected character and move the cursor to the next character to the right.
- 4) Repeat the above steps until all characters have been set as desired.
- 5) To return to a previously set character, press and hold the **Select** button and use the **Down** button to sequence in reverse order.
- 6) When the on-screen information is set as desired, press the **Select** button to exit the program mode. This will cause the **Setup** indicator (green LED) to turn off.
- 7) The on-screen information may be placed in any vertical position simply by pressing the **Up** and **Down** buttons. The display cannot be moved horizontally.

#### **Display Format**

The on-screen information consists of two lines;  
Line 1 contains 20 characters of titling  
Line 2 contains date, month, year, hours, minutes, seconds (24 hour time).

**ABCDEFGHIJKLMN OPQRST**  
**DD-MMM-YY-HH:MM:SS**

#### **Legend**

- A-T:** 20 characters of titling  
**DD:** Date (i.e. 1-31)  
**MMM:** Month (e.g., JAN, FEB)  
**YY:** Year (e.g., 99, 00, 01, 02)  
**HH:** Hours (0-23)  
**MM:** Minutes (00-59)  
**SS:** Seconds (00-59)  
**-:** Power Failure Indicator



## Video

The DTT-1 will pass video through even when the power fails or is intentionally interrupted. This unit works with both monochrome and color signals with no signal degradation.

## Power Failure Indicator

An interruption in the DTT-1's power supply is indicated by a dash (-) on the display, after the seconds indicator. If power has failed at any time, the dash will appear, and will remain on-screen until cleared. It is cleared by pressing any button, or by re-setting the time.

**Note:** The Power Failure Indicator will appear when the unit is powered-up for the first time, but will clear once the proper time has been set. If the power has failed and the back-up capacitor has discharged completely, the **Power** indicator (red LED) will flash, prompting you to set the correct time.

## Specifications

### Video

Video Input / Output  
Video Format

BNC - 1 passive video loop-through  
CCIR / PAL 1 Volt P-P, 75 ohm termination

### Display

Titler Format  
Date-Time Format  
Clock Accuracy  
On-Screen Width  
Character Height

20 Alpha-Numeric Character  
DD-MMM-YY HH:MM:SS-A  
5ppm  
75% of active display width  
18 lines (5.8% of total image height)

### Control / Programming

Control Interface  
Status Indicators

3 front panel buttons: Select, Up, and Down  
2 front panel LEDs: Power and Setup

### Back-Up Battery

4 days internal, rechargeable SuperCap

### Size / Weight / Power

Size  
Weight  
Power

2 5/16" x 1" x 3"  
3 oz.  
9 - 12VDC @ 32ma  
2.1mm DC Power Connector  
Center Positive



### Warranty

1 year parts and labor