

Limitimer[®]

Speaker Timer
with Remote Signal Light



Models

PRO2000

AV-2000

Signal Lights

PSL20VF

PSL20V



D'SAN CORPORATION

Roslyn, NY 11577

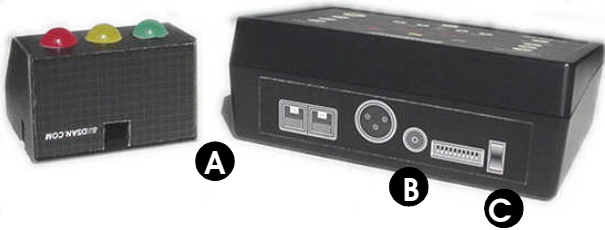
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Quick Start - Set-up



Connect Signal Light to Limitimer using Cat 5 Cable (A). Model PRO2000 users can connect with XLR cable.

Plug in 12 V power supply (B).

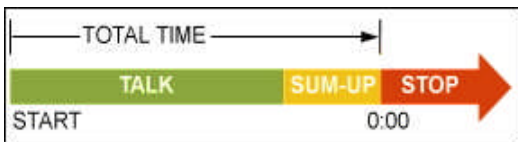
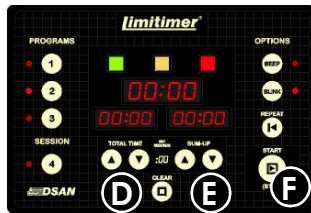
Turn on power switch ©

Program 1 is the default program

Set Total Time (D)

Set Sum-up Time (E)

Press Start. (F)



Options: Beep - Blink

Note: Blink and beep settings, like time settings, are saved for each program.

Blink:

Red light starts to blink 10 seconds after it comes on

Beep:

Audible cue is sounded on light changes

Blink + Beep:

Audible cue is sounded on light changes, then, once every 2 seconds when Red light starts to blink.

Note: See Global Settings to select sounds.

Using the Programs

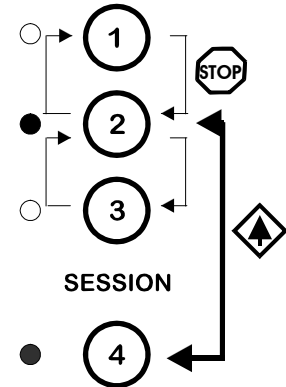
Programs are useful for debates or contests where pre-set timing formats can be selected quickly or where timekeeping is separate for each speaker.

PROGRAMS

To pre-set a program, select that program.

Set Total Time, Sum-up Time, Blink and Beep.

These settings are saved for the selected program



Programs 1, 2, and 3 cannot run simultaneously with each other. Toggling between these programs stops the clock.

Session 4 is a program that can run in background to Program 1, 2 or 3.

A dimly-lit LED indicates that a program is running in background. A brightly lit LED indicates that the program is selected.

Note: To display a specific program on a specific signal light, see Signal Light Settings.

Configuration using Two Signal Lights



Enable Program 4 only

Enable Program 1, 2, and 3 only

Program 4 runs in background while Programs 1, 2, and 3 are used for different settings or different speakers.

Global Settings

Global settings are those common to all programs. They are made on the 10-position DIP switch on the rear of the Limitimer timer console. The default settings (shown) are suitable for most uses.

1: Master / Slave.

When two Limitimers are connected to one signal light, set one timer as master (ON) and the other as slave (OFF). When only one timer is used, it must be a master (ON).

2. Counting Program 4 (Session)

Minutes:Seconds (ON); Hours:Minutes (OFF)
When using Program 4 to time a program over several hours, set to Hours:Minutes (OFF).

3. Counting Program 1, 2 or 3

Minutes:Seconds (ON)
Hours:Minutes (OFF)

4: Count direction

Count-Down (ON) or Count-Up (OFF).
If Count-Up, Time Remaining display shows elapsed time.

5. Count Behavior

Continue after zero (ON) else, stop display at zero. Note, in OFF mode, clock continues to run, red light stays on and beep will sound (if set) until user presses "Stop."

6. Sound Volume

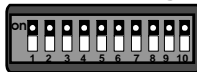
High (ON) Low (OFF)

7+8. Sound Selection

9. OFF 10. OFF = No sound in timer. *
9. OFF 10. ON = "Chime"
9. ON 10. OFF = "Ring"
9. ON 10. ON = "Buzz".

*This is an empty sound. If "Beep" is pressed on the timer console, a cue will be output to activate a sound on light changes. The sound will only be heard at the signal light if one of the audible sound cues is selected there.

Default Settings



Suitable for most uses

9. Time Settings Permission

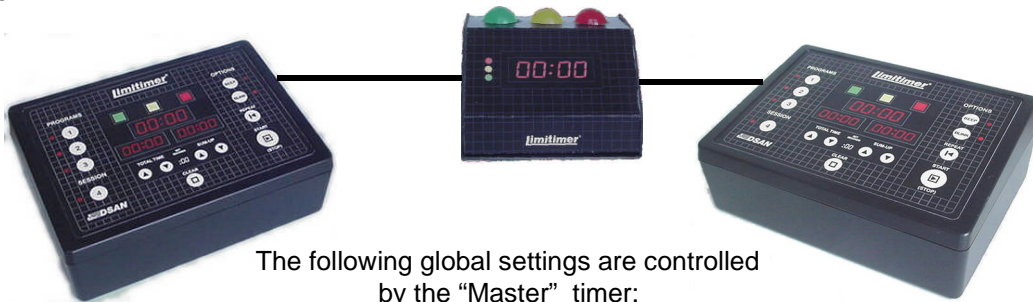
Allow Total Time and Sum-Up Time changes while clock is running (ON).

10. Block RF (ON)

Models AV200RF & PRO2000RF offer wireless transmission to the remote signal light. Set Block RF to "OFF" when using a wireless connection.

Dual Control

To control signal lights from two timers, set DIP switch 1 to ON for one timer and to OFF for the other timer.

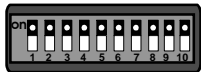


The following global settings are controlled by the "Master" timer:

- Switch 2: Counting Program 4;
 - Switch 3: Counting Programs 1, 2, 3,
 - Switch 4: Count direction;
 - Switch 5: Clock Behavior;
 - Switch 9: Time Settings Permission.
- Sounds (7,8) and volume (6) may be different for each timer.

Signal Light Settings

Signal light settings configure which programs are displayed on a signal light, what audible cues are sounded and which set of phase lights are illuminated. These settings may be different for each signal light that is connected to the timer console. The factory default settings (shown) are suitable for most uses.



DIP switch on bottom of signal light

1-4. Select Programs to be displayed

1. Display Program 1 (ON)
2. Display Program 2 (ON)
3. Display Program 3 (ON)
4. Display Program 4 (ON)

Since Program 4 can run in background, it is recommended that a separate signal light that is enabled for Program 4 ONLY and another signal light enabled for Programs 1, 2 and/or 3 ONLY be used.

5. Continue counting after zero (ON)

Else, stop display at zero. Note, in OFF mode, clock continues to run and red light stays on until user presses "Stop."

6. Sound volume. High (ON) Low (OFF)

7+8. Select Audible Cues

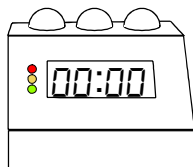
- 7-OFF 8-OFF = No sound*
- 7-OFF 8-ON = "Chime"
- 7-ON 8-OFF = "Ring"
- 7-ON 8-ON = "Buzz"

Note: Sounds are specific to each signal light and to each timer. If "Beep" is pressed on the timer console, a cue will be output to activate the selected sound on light changes. Select "No Sound" (7-OFF 8-OFF) to silence the signal light but allow a sound at the timer or on another signal light.

9. Display top lights (ON)

10. Display digits (ON)

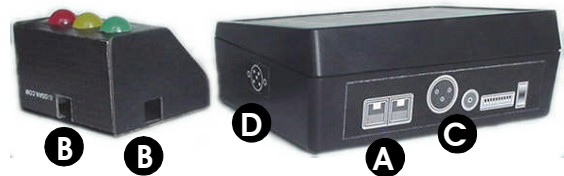
Display Lights Switch 9-ON.



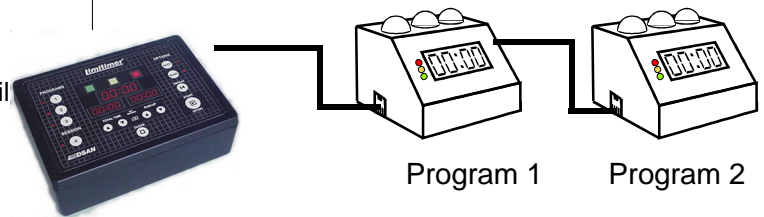
Display Digits Switch 10-ON

Signal Light Connections

Limitimer is supplied with a 50-foot Cat 5 cable with telephone-like modular connector plugs. Use this cable to connect the signal light to the Limitimer console (A).



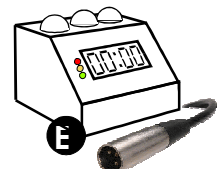
Each signal light contains 2 modular jacks (B). Use one to connect to the Limitimer console and the other to connect a second (or third) signal light.



If Limitimer is used in debates or contests where separate times are maintained for participants, set the signal lights each to receive only a unique program. Signal lights may be interconnected to the timer console along a single line.

Limitimer Model PRO2000 is equipped with an additional XLR jack (C). To connect to a signal light, you must use our KES-881 XLR-to-RJ45 adaptor cable. XLR cable is commonly used in audio applications and is convenient for frequent set-up and breakdown uses. By special request, a signal light may be supplied with an attached XLR "pigtail" shown at right (E).

In addition, Model PRO2000 contains a 5-pin EBY jack (D) that enables it to drive older Limitimer signal lights.



Components and Accessories

PSL20V	Extra podium Signal Light
PSL20VXLR	Extra podium Signal Light with attached XLR "pigtail" male plug
PSL20VF	Flush mount podium signal light for permanent installation
ASL4	Audience signal light with 4" tri-color lights
ASL4-ND3	Audience signal light with 4" digital display and 4" tri-color lights
ASL2-ND3	Audience signal light with 2" digital display and 4" tri-color lights
CS-518	Carrying/storage case holds Limitmer system
CS-827	Carrying/storage case holds Limitmer system and Audience Signal Light (ASL4-ND3)
KES-850	50-ft Cat 5 Cable
KES-825	25-ft Cat 5 Cable
KES-881	Adaptor: Male XLR to Modular Cat 5 Jack
KES-882	Adaptor: Female XLR to Modular Cat 5 Jack Adaptors allow signal lights to be connected to Limitimer using XLR cable.

Warranty

Instruments made by D'San Corporation are warranted against defects in materials and workmanship for one year from date of shipment. Any instrument which fails will be restored free of charge. D'San will determine whether the failure was the result of defect or user negligence.



Jacks are to be used only for the connections as described in this guide. Do not connect to audio or data devices.

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