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WARRANTY

This product is warranted against defective materials and workmanship for a period of two years from date of purchase. In the event the product fails to perform, it may be returned; Shipping Paid, to the factory to be serviced or replaced at the factory's discretion. Salon Systems, Inc. will pay to ship the repaired or replaced product by the shipping means of our choosing. Returns will not be accepted without a Return Authorization Number assigned by the factory.

It is a Condition of Sale that the user of Salon Systems Inc.'s products assumes all risk and responsibility of use and indemnifies Salon Systems, Inc. against all damages. Salon Systems, Inc. is not liable for loss of profits, lost savings, special, incidental, consequential, indirect or other similar damages arising from breach of warranty, breach of contract, negligence, or other legal action even if Salon System, Inc. or its agent has been advised of the possibility of such damages, or for any claim brought against you by another party. This warranty allocates risks of product failure between the Purchaser and Salon Systems, Inc. Salon System, Inc.'s hardware pricing reflects this allocation of risk and the limitations of liability contained in this warranty

It is a violation of the stated warranty to cut or modify the provided modular cables supplied with the T-Max® Series Timers. Connecting the T-Max® Series to third party timers not approved by Salon Systems, Inc. also violates the stated warranty. Contact your dealer or Salon Systems, Inc. if you are not sure if the timer that you are connecting is an approved timer.

1. OVERVIEW

Congratulations on your purchase of Salon Systems, Inc.'s T-Max® Series of tanning bed timers with the built in intercom. The T-Max® is designed for complete automation and control of your tanning equipment. It is also an excellent manual backup system in case your PC fails. The T-Max® Mgr/Pro can be used as a stand-alone unit or can be controlled with a computer using a number of popular software packages. Manual operation is accomplished via front panel controls.

Manual operation is accomplished by pressing the proper sequence of buttons. There are 64 lights, each showing the status of a bed. A 16 key keypad and 16x2 LCD display allows you to operate the T-Max® Mgr/Pro manually. If the T-Max® Mgr/Pro loses power, the T-Max®3A/F/Is can be used as stand alone timers. As long as the T-Max® Mgr/Pro is active the T-Max®3A/F/Is cannot be used as independent timers. Intercom control is accomplished by either the tanner pressing the Call button in the tanning room on the T-Max® 3A/F/I or the salon operator selecting the room to call from the T-Max® Mgr/Pro keypad and using the T-Max® 3A/I/Master.

A licensed electrician installing your new system should use this manual. Check for compliance with local building codes.

1.1 Components

T-Max® Mgr/Pro:

- 1 T-Max® Mgr/Pro Unit
- 1 9VDC @ 1A Power Supply
- 1 RS-232C Cable DB9M-DB9F
- 1 DB25F-DB9M Comm Port Adapter
- 1 This Manual
- 1 T-Max® Utility Software (3.5" diskette)
- 1 Terminator

T-Max®3A/F/I/ (Sold separately, 1 required for each bed in the salon):

- 1 T-Max®3A/F/I Timer Interface
- 1 12VAC @ 1A Transformer
- 1 T-Max®3A/F/I User's Guide
- 1 Modular cable with RJ-22 connectors on both ends
- 1 Modular cable with RJ-45 connectors on both ends

T-Max®3A/I/Master (Sold separately)

- 1 T-Max®3A/I Master Timer Interface
- 1 12VAC @ 1A Transformer
- 1 T-Max® Intercom User's Guide
- 1 Modular cable with RJ-22 connectors on both ends
- 1 Audio Cable

If any component is missing, contact your dealer.

Options:

T-Max® Enclosure™

Attaches to the T-Max®3A/F/I to hang on the wall or set on a desk.

T-Max® Speaker (Optional):

Connects to T-Max®3A/F/I to provide higher alarm indications.

T-Max® Sentry (Optional; 1 required for each T-Max®3A/F/I):

Indicates if bed is not operating properly.

T-Max® Monitor/Plus (Optional):

Provides 16 displays showing bed times and statuses.

ADNET-Repeater (Optional):

Connects in the middle of the daisy chain amplify the communications signal.

1.2 Specifications

T-Max® Mgr/Pro:

Power Supply		IN - 120VAC OUT – 9VDC @ 1A
Current Draw		800mA
Dimensions		10" x 5.25" x 2"
Communication	T-Max® Mgr/Pro - PC	RS-232C, 9600 Baud, 8Bit, 1 Stop Bit, No Parity

T-Max®3A/F/I and T-Max® 3A/I/Master:

Power Supply		IN - 120VAC OUT - 12V AC @ 1A
Current Draw		800mA
Dimensions:	Cover Plate:	9 W" x 5.175 H";
	T-Max®3A/F/I PCB:	2.87 x H 2.3"D x 7.5" W"
	Enclosure:	5.24"H x 9" W x 2.75" D x 2" D
Relay (T-Max® 3A/F/I only):		220VAC @ 5A; SPST Form A

Display:

T-Max® Mgr/Pro:	64 dual color lights showing bed status. 1, 16x2 LCD display shows individual bedtime and status.
T-Max®3A/F/I:	1, 2 digit LED display showing bedtime and status.
T-Max3A/I/Master:	1 dual colored LED display.

Maximum Units:

- 128 T-Max®3A/F/I's controlling 128 beds.
- 8 T-Max® Mgr/Pro's can be used to control up to 128 beds.
- 1 Computer can be connected to each T-Max® Mgr/Pro.

1.3 Optional PC Hardware and Software Requirements

- 1) 32KBytes available RAM.
- 2) 100KBytes available Hard Disk Drive Space.
- 3) 1 available RS232 port.
- 4) IBM AT, 286, 386, 486, Pentium or Compatible.

5) Windows® 95/98/NT.

2. Quick Installation

2.1 Connecting the T-Max® Timing System

- 1) Install a T-Max®3A/F/I in each room. Install the T-Max® Mgr/Pro and the T-Max® 3A/I/Master at the front desk.
- 2) 2 50' modular cables (phone type cable) are provided with each T-Max®3A/F/I: 1 with RJ-22 connectors and 1 with RJ-45 connectors . Run each from the T-Max® 3A/I/Master location to T-Max®3A/F/I in the nearest tanning room. Run the other modular cables from room to room in a daisy-chain fashion (Refer to Figure I Section 12.9).
- 3) Connect the modular cables to each T-Max®3A/F/I and the T-Max® 3A/I/Master. When finished each T-Max®3A/F/I should have a modular cable connected to each port, with the exception of the last T-Max®3A/F/I in the series.
- 4) Connect the 20' modular cable with RJ-22 connectors that were provided with the T-Max® 3A/I/Master between the T-Max® Mgr/Pro and the T-Max® 3A/I/Master.
- 5) Connect the tanning bed to the “J3 Contact” screw terminals on the back of the T-Max®3A/F/I.

Important: There may be many wires visible on the tanning bed. Two of these wires are specifically used for connecting the bed to an external timer. If you are not sure which two wires to use, refer to the tanning bed’s manual or contact the bed’s manufacturer.

- 6) Each T-Max®3A/F/I came with a 12V-power supply. Connect a power supply to the “PWR IN 9-12V” screw termination block on the back of each T-Max®3A/F/I.
- 7) Plug each of the T-Max®3A/F/I’s power supplies into a standard 110V-power outlet.

2.2 Setting the Addresses.

- 8) Apply power to the T-Max® Mgr/Pro (power does not have to be applied to the T-Max®3A/I/Master at this point). Wait until the T-Max® Mgr/Pro is done scanning.
- 9) Press the Menu/Call button on the T-Max® Mgr/Pro. The LCD display will read as follows: SECURITY/CALL.
- 10) Press 888 followed by the Enter button.

Each T-Max®3A/F/I will show a 99 on their displays and beep continuously.

- 11) Go to each room **in order** (1,2 3, 4, 5, 6 etc.) pressing the Start/Stop buttons in each room until all displays show a 0 and the alarms stop.

As you press the Start/Stop buttons in each room, the Maximum Bed Number on the T-Max® Mgr/Pro will automatically count up.

If you wants to skip a room number, press the Next button on the T-Max® Mgr/Pro for each room you want to skip. For example, to address your salon in following sequence: 1,2,4,5,8 press the Start/Stop buttons in rooms 1 and 2. Then go to the T-Max® Mgr/Pro

and press the Next button one time to skip room 3. Press the Start/Stop buttons in rooms 4 and 5. Press the Next button on the T-Max® Mgr/Pro twice to skip rooms 6 and 7. Finally, press the Start/Stop button on the timer in room 8.

12) Press the Clear or Enter Button on the T-Max® Mgr/Pro.

13) Cycle power to the T-Max® Mgr/Pro. After a short pause, the T-Max® Manger/Plus will then scan and lights will illuminate for each bed found.

14) Apply power to the T-Max® 3A/I/Master

2.3 Adjusting the Intercom Volume in each Tanning Room

Before screwing the T-Max® 3A/F/Is into the wall, you will want to adjust the volume in each room for the intercom. Two people will be needed: one at the T-Max® Mgr/Pro and one in the tanning room.

15) Locate the volume control on the back of the T-Max® 3A/F/I (refer to Figure C, Section 12.3)

16) On the T-Max® Mgr/Pro, press the Call/Menu button. The display will read as follows: SECURITY/CALL

17) Press 1 followed by the Enter button. The display will read as follows: Talk to Room 1.

The display on the T-Max® 3A/F/I will show two dashes (--).

18) Press the Talk button on the T-Max® 3A/I/Master at the front desk and talk into the microphone. Release the Talk button to listen.

19) While the person at the front desk is talking, adjust the volume on the T-Max® 3A/F/I in the tanning room by turning the volume control clockwise or counter clockwise.

20) Once the volume is adjusted to your satisfaction, press Clear on the T-Max® Mgr/Pro to hang up. The display on the T-Max® 3A/F/I will show a 0.

21) Repeat steps 15-20 for each room in the salon.

Installation is now complete.

3. INSTALLATION

3.1 Wiring

Run the modular cable with RJ-22 connectors and the modular cable with RJ-45 connectors provided with each T-Max®3A/F/I from the T-Max® 3A/I/Master to the first room. Run the modular cables from room to room in a daisy chain (Refer to Figure I, Section 12.9).

3.2 T-Max® 3A/I/Master

Connect the 12V-power supply provided with the T-Max® 3A/I/Master to the power input on the T-Max® 3A/I/Master and a 120VAC outlet. Connect the two modular cables going to the tanning room to the modular connectors on the T-Max® 3A/I/Master (refer Figure I, Section

12.9). You may connect the Audio Cable between the T-Max® 3A/I/Master and the speaker output on the back of your computer.

3.3 T-Max® Mgr/Pro

Connect the 9V-power supply provided with the T-Max® Mgr/Pro to the power input on the T-Max® Mgr/Pro and a 120VAC outlet. Connect the 20' modular cable provided with the T-Max® 3A/I/Master between the T-Max® Manager/Pro and the T-Max® 3A/I/ (refer Figure I, Section 12.9). If you are using a computer connect the RS-232 DB9F-DB9M cable between the serial port on the T-Max® Mgr/Pro and the serial port on the back of your computer.

3.4 T-Max®3A/F/I

A T-Max®3A/F/I must be connected to each tanning bed and power must be applied. (Refer to Section 2.1 and Section 12.3-Figure C).

In the first tanning room, connect the modular cable with RJ-22 connectors connected to T-Max® 3A/I/Master to one of the modular ports on the back of the T-Max®3A/F/I. Connect the modular cable with RJ-45 connectors connected to the T-Max® 3A/I/Master to one of the modular ports on the back of the T-Max®3A/F/I. Connect the modular cables running to the next tanning room to the open modular ports. In the second tanning room, connect the modular cables from the first tanning room to two of the modular ports on the back of the T-Max®3A/F/I. Connect the modular cables running to the third room to the open modular ports. Repeat this until all of the rooms are connected. (Refer to Figure I, Section 12.9, Figure C, Section 12.3).

4. INITIAL CONFIGURATION

4.1 Setting the Address on the T-Max®3A/F/I

Note: If you are installing new T-Max® system and have just completed Section 2 (Quick Installation), the addresses are set and you do not need to independently set addresses on the T-Max®3A/F/Is.

- 1) Remove power from the T-Max® Mgr/Pro.
- 2) Apply power to the T-Max®3A/F/I. It should show a 9.9 and an alarm should sound.
If it just shows a 0, go to Step 4.
- 3) Press and release the Start/Stop button. The display will flash an 8.8 and the alarm will stop. Press and release the Up button until the display stops flashing and shows a 0.
- 4) Press and hold the Start/Stop and Up Buttons simultaneously on the T-Max®3A/F/I until a .1 appears on the display. This should take about 5-6 seconds. Release the buttons.
- 5) Press the Start/Stop button on the display. A flashing number will appear. This is the address that the timer is currently set to.
- 6) Press the Up or Down button until the desired address is displayed.

Note: When setting the addresses, remember these three rules:

- Set each T-Max®3A/F/I to a unique address.
- Do not set any T-Max®3A/F/I to address 00.
- If the period is flashing, you are over address 100.

7) Once the desired address is displayed, press and release the Start/Stop button. A solid .1 will be displayed.

8) Press and hold both the Up and Down buttons until a 0 is displayed.

Repeat Steps 2-8 for each T-Max®3A/F/I that you are manually setting the address on.

4.2 T-Max® Mgr/Pro

1) Make sure all wiring is completed. Refer to Section 3 for wiring instructions.

2) Apply power to the T-Max® Mgr/Pro.

The T-Max® Mgr/Pro will scan for T-Max®3A/F/Is. An amber light will illuminate for each T-Max®3A/F/I detected. Once scanning is complete, the light will turn green.

5. MANUAL OPERATION

5.1 Description

The T-Max® Mgr/Pro has 64 dual-colored lights showing bed status. Section 5.8 describes the light indicators. A 16x2 LCD display on the upper right corner of the T- Max® Mgr/Pro shows bed status and times. A 16 key keypad allows the user to control the salon.

5.2 Initial Configuration

5.2.1 Setting up the T-Max® Mgr/Pro.

1) Apply power to the T-Max® Mgr/Pro. The T-Max® Mgr/Pro will scan the network to find all T-Max®3A/F/Is.

2) Press the Call/Menu Button. The following message will appear: SECURITY/CALL.

A sheet was provided showing the factory default settings for each security level and security level descriptions.

3) The following message will appear: GET PARAMS? Press Next.

4) The following message will appear: SEND PARAMS? Press Next

5) The following message will appear: MGR PARAMS? Press Enter.

6) The following message will appear: MGR DELAY TIME. Enter the delay time in minutes, followed by the Enter button.

If you want the session to start right away, enter a delay of 0. The maximum setting for delay is 10 minutes. This setting is for every bed in the salon.

7) The following message will appear: MGR START MODE. Enter the desired Auto Start Mode followed by the Enter button.

This setting is for every bed in the salon. If a 1 is entered, then the bed will energize immediately after the delay time expires. If a 0 is entered, the bed will not energize when the delay time expires, but session time will begin counting down. If a 2 is entered, then the T-Max® Mgr/Pro is set to infinite delay and session will not start until the Start/Stop button is pressed on the T-Max®3A/F/I.

Note: If the T-Max® Mgr/Pro is controlled by a computer, the Delay and Auto Start mode are controlled by the computer's software unless you set the T-Max® Mgr/Pro to infinite delay. If the T-Max® Mgr/Pro is set to Infinite Delay, the Delay set in the T-Max® Mgr/Pro or the PC will be ignored.

8) The following message will appear: MGR MAX BED. Enter the maximum bed number followed by the Enter key.

This number must be equal to or higher than the **highest address** that a T-Max®3A/F/I is set to. For example if you have six beds, but are addressing the T-Max®3A/F/Is to 1,2,3,4,5, and 8, then set the maximum bed number to 8.

9) The following message will appear: MANAGER NUM. Enter the T-Max® Mgr/Pro address, followed by the Enter button.

Up to 8 T-Max® Mgr/Pro's can be connected in a single salon. One T-Max® Mgr/Pro must be set to address 0. All slave T-Max® Mgr/Pro's must be set to an address other than 0. Set each Slave T-Max® Mgr/Pro to a unique address.

10) The following message will appear: MGR RE-SCAN TIME. Press the Enter key.

11) The following message will appear: MAX SLAVE. This should be the same number as the highest address you have set any slave T-Max® Mgr/Pro's to. For example, if you have three T-Max® Mgr/Pro's, one must be set to address 0 (Master). If one slave T-Max® Mgr/Pro is set to 1 and the other is set to 3, the MAX slave value should be 3. The highest value that can be entered is 7. Enter the MAX SLAVE number followed by the Enter button.

The LCD display will then read "Saving Params".

5.2.2 Parameter Numbers

Parameters are values stored in each T-Max®3A/F/Is such as Lamp Hours, Session Counts, etc. Table 1 shows the parameter numbers and details about them.

To get or change parameters, do the following:

- 1) Press the bed number you want to manipulate followed by the Enter Key. The bed number and its status will appear.
- 2) Press the Call/Menu button. The following message will appear: SECURITY/CALL.
- 3) Enter the security number for level 3 followed by the enter key.
- 4) The following message will appear: GET PARAMS? If you just want to observe current values, press Enter. If you want to send new values, press Next, then go to Step 6.
- 5) The following message will appear: WHICH PARAMETER? Enter the parameter number from Table 1 followed by the Enter key.

The top line on the LCD display will show the bed number. The second line will show the value for the parameter you checked. Press Clear to exit.

- 6) Press the Next button.
- 7) The following message will appear: SEND PARAMS? Press the Enter button.
- 8) The following message will appear: WHICH PARAMETER? Enter the parameter number from Table 1 followed by the Enter button.
- 9) The following message will appear: SEND WHAT DATA? Enter the value that you want to store in that timer followed by the Enter button. Press Clear to exit.

Table 1 - Parameter Numbers for Getting and Sending Parameters.

Parm #	Description	Max #	Default	Notes
1	Address	255	254	Address of T-Max®3A/F/I
2	Beep Mode	1	0	Used for High Power beds. 0=Alarm only, 1=Alarm and Flip
3	Delay Time	5	0	Delay in minutes stored in the T-Max®3A/F/I.
4	Current Sense	1	0	For the T-Max® Sentry™ Option. 0=Disabled, 1=Enabled.
5	Session Counts	65535	0	Total session counts for T-Max®3A/F/Is.
6	Lamp Hours	65535	0	Bulb hours for each bed.
7	Bed Hours	65535	0	Number of hours a bed is on.
8	Manual Session Counts	65535	0	Counts the number of sessions the T-Max®3A/F/I has run while in Stand Alone Mode
9	Clean Room	1	1	0 = Clean Room Disabled, 1 = Enabled
10	Manual Lockout	1	0	0 = Stand Alone Enabled, 1 = Disabled
13	Cool Down Mode	10	0	0 = Disabled, 1-10=Enabled. Time delay in minutes allowing bed to cool.
15	Fixed Session Counts	65535	0	Counts number of sessions ran through the T-Max®3A/F/I. This value cannot be changed at all. Used as point of reference.
17	Clean Clear	1	0	0 = Press and hold the Up button for 3-4 seconds to clear the clean room. 1 = Press and release the Up button to clear instantly
20	External Speaker	1	0	0 = Speaker on T-Max®3A/F/I, 1 = External Speaker will be used.
21	Pause Mode	1	0	0 = When session is pause, session time continues to count down. 1 = When session is paused, session time stops counting down.
22	Auto Shut Off	1	0	0 = When intercom is active, the bed will stay on. 1 = When intercom is active, bed will turn off and go to pause mode

5.2.3 Security Levels

There are 5 security levels on the T-Max® Mgr/Pro. When the Call/Menu button is pressed, the display will prompt you for a security number. Refer to the enclosed Security number sheet on how to change security numbers. The description of these levels follows:

Level 0 - Computer Control Level

Sessions can be monitored, but not started manually.

Level 1 - Employee Level

Session operation only. No parameters can be observed or changed.

Level 2 - Supervisor's Level

Parameter values can be observed but not changed.

Level 3 - Manager's Level

Parameters can be observed and changed. Security numbers cannot be changed.

Level 4 - Owner's Level

This level allows the changing of Security numbers for access.

Asterisks will be displayed on the lower left corner of the LCD indicating which security number was last entered, a single asterisk for level 1, 2 for level 2 and 3 for level 3.

When changing Security numbers, make sure the number you choose is higher than 128. Any number under 128 is used by the intercom to call a room. Below are a list of other security numbers that are reserved and what they are reserved for:

778 – Error Codes

779 – Real Time Clock (Not used on the T-Max® Series, but still reserved)
888 – Auto Addressing
911 – Emergency Call
999 – Rescanning the T-Max® Series

5.3 Starting A Session

You must be at Security Level 1, 2 or 3 to start sessions manually.

- 1) Press the bed number you want to start, followed by the Enter button.
- 2) Press the Time button. The display will read “Enter Session Time”
- 3) Enter the Session time you want followed by the Enter button.

If a delay other than 0 has been entered, the delay will count down on the display. If an Infinite delay has been set up, the session time will show but will not count down. DELAY will show for status. Once the customer presses the Start/Stop button on the T-Max®3A/F/I in the room, the session will start. The display will show the session time counting down and the status will say ON.

5.4 Canceling A Session

- 1) Press the bed number that you want to cancel, followed by the Enter button.
- 2) Press the Time button. The message “Enter the Time” will appear on the LCD display.
- 3) Press the Enter button (without entering any time).

If the clean room is enabled and the delay time has expired, DIRTY will appear on the display. The Status LED will be Red. Once the clean room has been cleared, the display on the T-Max® Mgr/Pro will show READY and the Status LED will turn Green.

5.5 Pausing A Session

To pause a session, press the Start/Stop button on the T-Max®3A/F/I at the tanning bed. The flashing period will stop flashing and stay illuminated. The T-Max® Mgr/Pro display will show PAUSE on the display.

Note: The session time will continue to count and display will reflect the remaining session time.

To restart the session, press the Start/Stop button on the T-Max®3A/F/I. The period will continue flashing and the Status on the T-Max® Mgr/Pro will change to ON.

5.6 Clean Room

Once the session time has elapsed or has been canceled, the display will show two periods with no numbers, which is an indication that the room needs to be cleaned. Press and hold the Up button on the T-Max® 3A/F/I in the tanning room until a 0 appears on the display to clear the clean room. For a complete description of Clean Room, refer to Section 11.1.

5.7 Checking Bed Status

To check the status of a bed, glance at the 64 dual colored lights.

Green = Bed is ready for a new session.

Red = Bed needs to be cleaned.

Off = Bed is not available.

Flashing Red = There are less than two minutes left in a session.

Flashing Green = Bed is in the Cool Down Mode.

Yellow = Scanning or Error.

Flashing Yellow = Intercom Call Request Pending

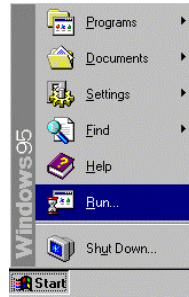
To check time remaining in an active session, press the bed number followed by Enter.

To check the times on all beds, press the Next or Prev (previous) button repeatedly.

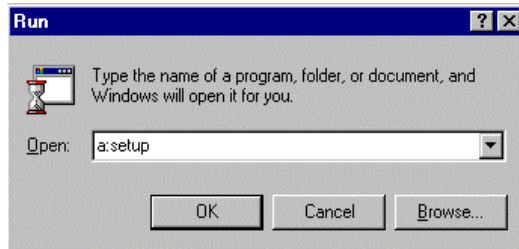
6. COMPUTER OPERATION

6.1 Installing ADNET 2000™

- 1) Place the ADNET 2000™ diskette in drive A.
- 2) Click Start with your left mouse button.



- 3) Click Run with your left mouse button.



- 4) Type the following: a:setup.
- 5) Click OK (or press Enter)
- 6) Follow the directions on the screen

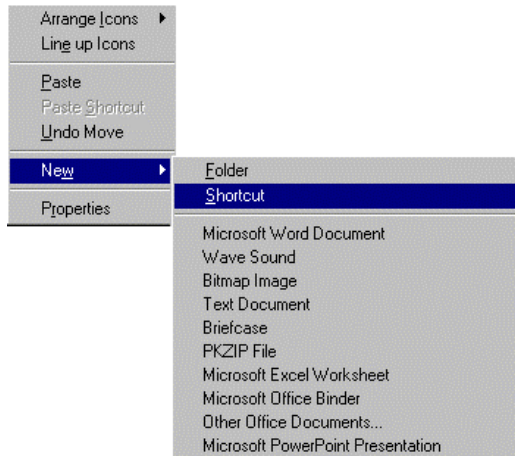
6.1.1 Creating a Short Cut on Your Windows® Desktop.

- 1) Place your mouse anywhere on the desktop screen. Make sure it is not over an existing Icon.

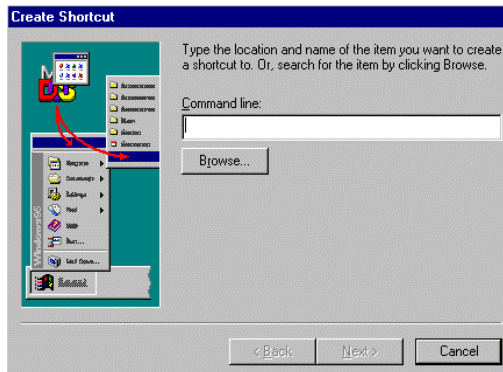
2) Press the right mouse button. A window will appear.



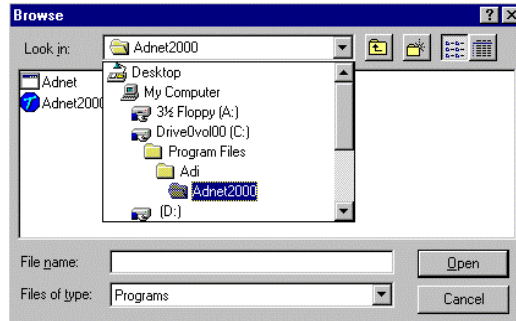
3) Move the mouse pointer to New. A second window will appear.



4) Move the mouse to Shortcut and click it with your left mouse button. A Create Shortcut window will appear.



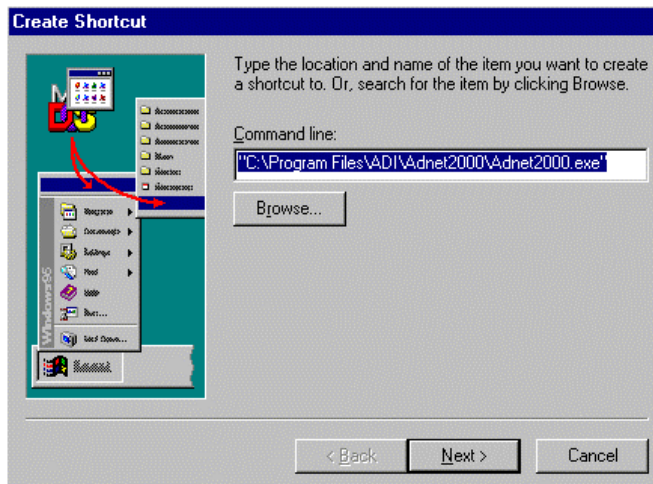
5) Click Browse. A Browse window will appear.



6) Double click the folder that you installed ADNET 2000™ into with your left mouse button.

The factory default folder is c:\program files\adi\ADNET2000. This is the folder the ADNET 2000™ files will probably be under.

7) Double click the ADNET 2000™ icon with your left mouse button. The Create Shortcut window will reappear.



8) Click Next with your left mouse button.

9) Click Finished with your left mouse button.

10) The ADNET 2000™ icon will appear where you placed your mouse in Step One.

6.2 Setting Up ADNET 2000™ To Run With a T-Max® Mgr

Make sure ADNET 2000™ is properly installed and the icon is created as described in Section 1.

Double click the ADNET 2000™ Icon with your left mouse button. The ADNET 2000™ window will appear:

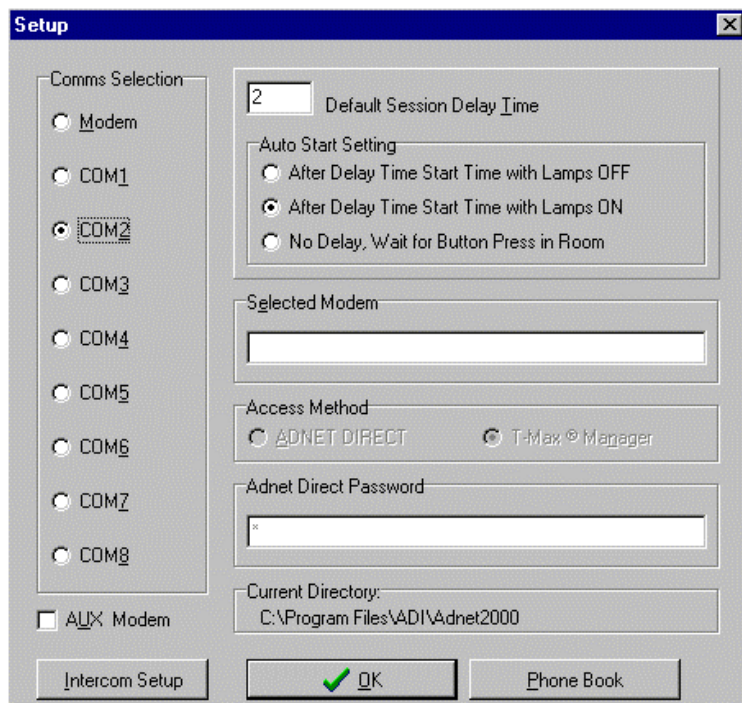
ADNET 2000™ Window



6.2.1 Selecting the COM Port

1) Click Setup with your left mouse button. The Setup window will appear

Setup Window



2) Click the COM port that you are connected to with your left mouse button. A black circle will appear beside that COM port you have selected.

6.2.2 Setting the Delay and Auto Start Mode

- 1) Place the mouse in the window to the left of “Default Session Delay Time” and click the left mouse button. A flashing cursor will appear in the window.
- 2) Use the Delete or Backspace key to delete the number currently in the window and type in the desired delay time.

The longest the delay time can be is 10 minutes. If no delay time is desired (Start session immediately) enter a 0. If infinite delay time is desired (allowing the customer as much time as they want to get undressed), go to Step 3.

- 3) In the Auto Start Setting window, place the mouse in the circle and click the left mouse button to set the Auto Start Setting.

After Delay Time Start with Lamps OFF – After the delay time expires, the session time will start but the lamps will not come on. The display on the timer will show the remaining session time. The Start/Stop button must be pressed to turn the lamps on.

After Delay Time Start with Lamps ON - After the delay time expires, the session time will start and the lamps will come on automatically. The display on the timer will show the remaining session time.

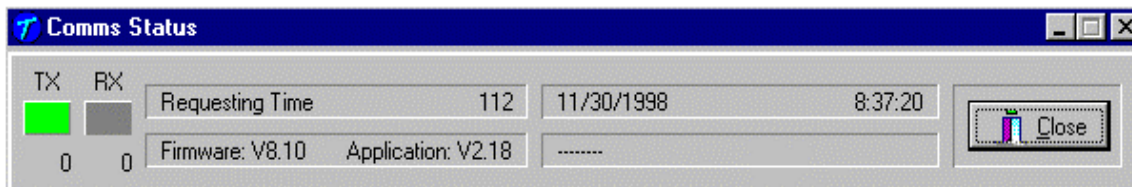
No Delay, Wait For Button Press in Room – The timer will show the session time in the room but will not count down. The Start/Stop button on the timer in the room must be pressed to energize the lamps and start the session time counting down.

- 5) Click OK. The ADNET 2000™ window will reappear

6.3 RUNNING ADNET 2000™

- 1) Make sure the T-Max® Manager is properly installed and connected to the computer. Refer to the T-Max® Manager User’s guide.
- 2) Click Start. The Comms Status and Manager Access Screens will appear.

Comms Status Window



6.3.1 Comms Status Screen

The Comms status screen shows the status of communications between ADNET 2000™ and the T-Max® Mgr/Pro.

RX and TX show communication between the computer and the T-Max® Mgr/Pro. These should be flashing unevenly.

Firmware version is the ROM version stored inside the T-Max® Mgr/Pro.

Application is the RAM software version inside the T-Max® Mgr/Pro r.

If the boxes below TX and RX do not flash or Firmware version reads 99.99, then there is no communications between the PC and the T-Max® Mgr/Pro. Make sure the T-Max® Mgr/Pro is connected to the PC and power is applied to the T-Max® Mgr/Pro. If there is still no communications, click Close with the left mouse button, click Setup from the ADNET 2000™ window and try another Comm port setting.

Manager Access Window

The screenshot shows the 'Manager Access' window with a menu on the left and a table on the right. The menu includes: Activity Log, Auto Address Command, Rescan Command, Edit Manager Params, Start Session in Room 1 for 20 minutes, Start Session in Room 2 for 10 minutes, Start Session in Room 4 for 20 minutes, Start Session in Room 7 for 20 minutes, and Cancel Session in Room 7. The table has columns for Bed, Time, Status, Type, Vers, and Max. A 'Clear Log' button is at the bottom left of the table area.

Bed	Time	Status	Type	Vers	Max
1	01:04	Delay	4	2	20
2	08:20	ON	4	2	10
3	00:00	Ready	3	8	20
4	18:23	Pause	3	8	20
5	00:00	Ready	3	8	20
6	00:00	Ready	3	8	20
7	00:00	Dirty	3	8	20
8	00:00	Ready	3	8	20
9			----		
10			----		
11			----		
12			----		
13			----		
14			----		
15			----		
16			----		
17			----		
18			----		
19			----		
20			----		
21			----		

6.3.2 Manager Access Screen

The upper left corner of the Manager Access screen shows <Manager Status> and <Bed Parameter Utilities>. These are discussed in Sections 6.3.6 and 6.3.5. The right side shows the beds you have and their statuses.

The left side of the screen is an activity log. This is to aid in trouble shooting. The right side of the screen shows bed status.

Bed - Bed number

Time - current time.

Status - Status if the timer (Ready, On, Pause, Delay, Dirty or Cool)

Type - Type of timer in each room.

Vers - Software version in each timer.

Max - Maximum time for each timer.

6.3.3 Starting a Session.

- 1) Place the mouse in the Time window beside the bed number that you want to start.
- 2) Press the Left mouse button.
- 3) The Start Session window will appear. Enter the bed number you want to start and the desired session time in minutes.
- 4) Click Yes. If you don't want to start a session, click No.
- 5) The session will start and the display will show the bedtime and status.

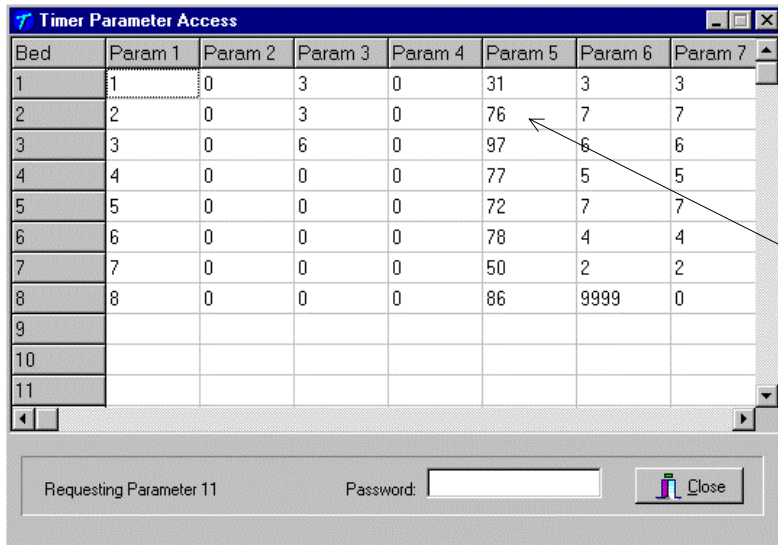
6.3.4 Canceling a Session.

- 1) Place the mouse in the Time window beside the bed number you want to Cancel.
- 2) Press the Left mouse button.
- 3) A cancel session window will appear. If the displayed bed is correct, press Yes. If the displayed bed is not the bed you want to cancel, enter the correct bed number click Yes with your left mouse button. If you don't want to cancel any session, click No.

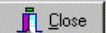
6.3.5 Getting and Changing Parameters

- 1) Click Bed Parameter Utilities with your left mouse button.
- 2) Click Upload Parameter from Beds. The Timer Parameter Access screen will appear:

Timer Parameter Access Window



Bed	Param 1	Param 2	Param 3	Param 4	Param 5	Param 6	Param 7
1	1	0	3	0	31	3	3
2	2	0	3	0	76	7	7
3	3	0	6	0	97	6	6
4	4	0	0	0	77	5	5
5	5	0	0	0	72	7	7
6	6	0	0	0	78	4	4
7	7	0	0	0	50	2	2
8	8	0	0	0	86	9999	0
9							
10							
11							

Requesting Parameter 11 Password: 

- 3) To change a parameter, move the mouse to the window beside Password and click it with your left mouse button. A flashing cursor will appear in the window. Enter the password (see the attached password sheet provided with this manual). As you enter the password, an (*) will appear for each character.

After the password has been entered, place the mouse in the window where you want to change the parameter. For example, if you want to change parameter 5 for bed 2, place the mouse in the white window below Param 5 and beside 2 as the arrow shows in the Timer Parameter Access window.

- 4) Click the left mouse button.
- 5) A Change Parameter Data window will appear. Enter the value you want to change the parameter to then click OK with your left mouse button. If you don't want to change the parameter value, click Cancel.
- 6) The change parameter window will change the show the new value for that parameter.
- 7) When you are done changing parameters, click Close with your left mouse button.

Table 4 - Parameter Table

Parm #	Description	Max #	Default	Notes
1	Address	255	254	Address of T-Max@3A/F/I
2	Beep Mode	1	0	Used for High Power beds. 0=Alarm only, 1=Alarm and Flip
3	Delay Time	5	0	Delay in minutes stored in the T-Max@3A/F/I.
4	Current Sense	1	0	For the T-Max@ Sentry™ Option. 0=Disabled, 1=Enabled.
5	Session Counts	65535	0	Total session counts for T-Max@3A/F/Is.
6	Lamp Hours	65535	0	Bulb hours for each bed.
7	Bed Hours	65535	0	Number of hours a bed is on.
8	Manual Session Counts	65535	0	Counts the number of sessions the T-Max@3A/F/I has run while in Stand Alone Mode
9	Clean Room	1	1	0 = Clean Room Disabled, 1 = Enabled
10	Manual Lockout	1	0	0 = Stand Alone Enabled, 1 = Disabled
13	Cool Down Mode	10	0	0 = Disabled, 1-10=Enabled. Time delay in minutes allowing bed to cool.
15	Fixed Session Counts	65535	0	Counts number of sessions ran through the T-Max@3A/F/I. This value cannot be changed at all. Used as point of reference.
17	Clean Clear	1	0	0 = Press and hold the Up button for 3-4 seconds to clear the clean room. 1 = Press and release the Up button to clear instantly
20	External Speaker	1	0	0 = Speaker on T-Max@3A/F/I, 1 = External Speaker will be used.
21	Pause Mode	1	0	0 = When session is pause, session time continues to count down. 1 = When session is paused, session time stops counting down.
22	Auto Shut Off	1	0	0 = When intercom is active, the bed will stay on. 1 = When intercom is active, bed will turn off and go to pause mode

6.3.6 MANAGER UTILITIES

Click Manager Utilities with your left mouse button. The window will appear with the following options:

Download Program from PC to Manager - Allows you to load the T-Max® Mgr/Pro with new software

Edit Manager Setup - Allows you to change T-Max® Mgr/Pro Setting for manual use.

Rescan timers - Allows you to have the T-Max® Mgr/Pro rescan the timer network

Auto Address - Allows you to Auto Address the entire salon.

6.3.7 Download Program from PC to Manager

Click Manager Utilities then Download Program from PC to Manager with your left mouse button.

ADNET 2000™ will load the T-Max® Mgr/Pro with the latest software. The Activity Log will show Sending 256 bytes to different addresses. After the download is complete a Manager Restart window will appear. The T-Max® Mgr/Pro will rescan. A status bar will scroll across the window. Once this is complete, you can start new sessions.

6.3.8 Edit Manager Setup

1) Click Manager Utilities then Edit Manager Setup with your left mouse button.

The Manager screen will appear:

P#	Data
0	0
1	3
2	1
3	12
4	0
5	0
6	0
7	0
8	0
9	0
10	1
11	2
12	3
13	0
14	0
15	65535
16	65535
17	65535
18	65535
19	65535
20	65535

Delay
Auto Start
Maximum Bed Number
Display Mode

All others not used

Currently only P# 1,2,3 and 4 are used. These settings are changed in the T-Max® Mgr/Pro for use when the T-Max® Mgr/Pro is used manually in the event of a computer failure. These settings do not effect the settings described in section 2.2.

When changes are complete, click the X on the upper right corner of the window with your left mouse button.

6.3.9 Rescan Manager

Click Manager Utilities then Rescan Manager with your left mouse button. The T-Max® Mgr/Pro will rescan the timer network.

6.3.10 Auto Address the T-Max® System

Auto Address will allow you to reset the addresses on the timers in the room. This is typically done on initial installation, when adding tanning beds or when you want to change the room numbers in your salon.

Note: Make sure no one is tanning before selecting this option.

- 1) Click Manager Utilities then Auto Address the T-Max® System with your left mouse button.
- 2) A window will appear with the following message: Proceed with Auto Address of Entire System? (Make sure there are no active sessions).
- 3) Click OK with your left mouse button if you want to proceed. Click Cancel if you do not want to auto address the salon.

Once you click OK, the Manager Access screen will disappear and the ADNET 2000™ screen will appear. Each timer in the salon will show a 99 and be sounding an alarm. The T-Max® Manager/Pro LCD display will show Auto Addressing Bed 00. Go to each timer in order that you want the salon to be and press the Start/Stop buttons along the way. Each timer will go to a 0. Make sure you press the Start/Stop buttons in order that you want the salon addressed. Go to room 1 first, then room 2, room 3 etc.

The T-Max® Mgr/Pro LCD display will show Auto Addressing Bed XXX. XXX will be one number higher than the number of beds addressed. Press the Enter button on the T-Max® Manager/Pro keypad.

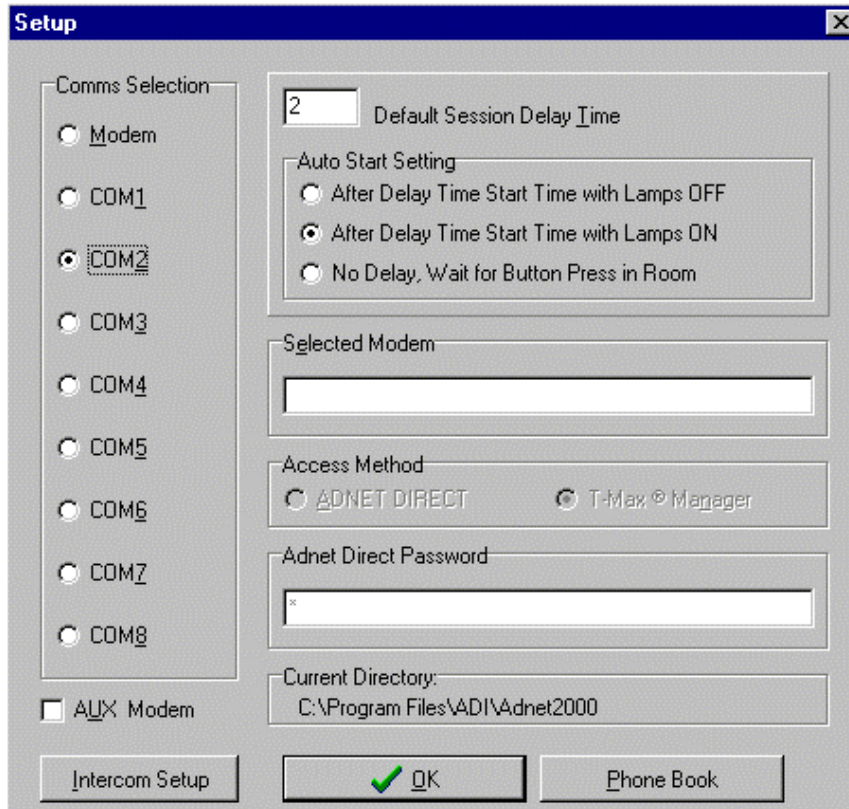
- 4) On your computer, press the Start button with your left mouse button. The Manager Access screen will reappear with the new configuration being displayed.

6.4 Setting Up ADNET 2000™ for the T-Max® Intercom System

ADNET 2000™ can be used to send automated messages to each timer while the timer is in Delay, while the Clean Room indication is showing or when the timer is in cool down mode. You must have a sound card and microphone to use this feature.

6.4.1 Determine where your ADNET 2000™ Program files are stored.

From the ADNET 2000™ window, click Setup. The following screen will appear:



The bottom of the window shows the Current Directory. This is the directory that the sound files must be saved to. Write this path down.

6.4.2 Setting up ADNET 2000™ to use the Recorded Messages

From the ADNET 2000™ window, click Setup with your left mouse button. Then click Intercom Setup with your left mouse button. The following screen will appear:



Click the circle to left of the message for what messages you want to play in the tanning room.

Message During Delay:

Don't Play Messages During Delay – No messages will be played in any room while any timer is in delay.

Play SAME Message or ALL Rooms – The message recorded under the Beforeall.wav file name will be sounded in all rooms while that timer is in Delay.

Play DIFFERENT Message for Individual Rooms – The files recorded under the file names of Before1.wav, Before2.wav etc. will be sounded in Room1, Room2. etc. respectively while the timer is in delay.

Message During Cool Down and Dirty Room:

Don't Play Messages During Cool Down and Dirty Room – No messages will be played in any room while any timer is in Cool Down or Dirty Room after the session ends.

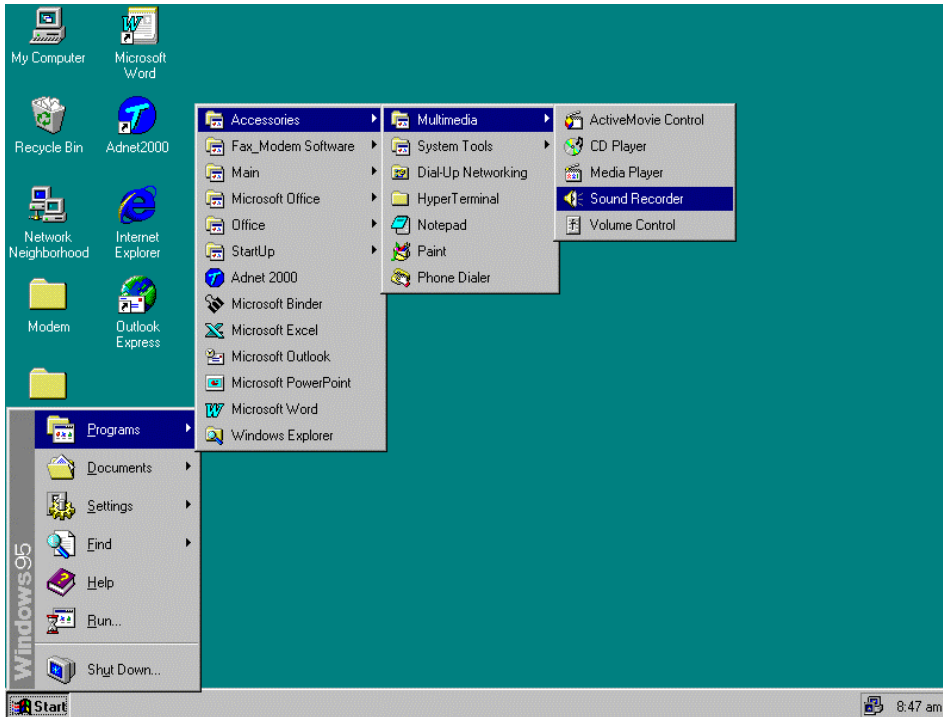
Play SAME Message or ALL Rooms – The message recorded under the Afterall.wav file name will be sounded in all rooms while that timer is in Cool Down Mode or Dirty Room after a session ends.

Play DIFFERENT Message for Individual Rooms – The files recorded under the file names of After1.wav, After2.wav etc. will be sounded in Room1, Room2. etc. respectively while the timer is in Cool Down Mode or Dirty Room after session ends.

Click OK to exit the Intercom Setup.

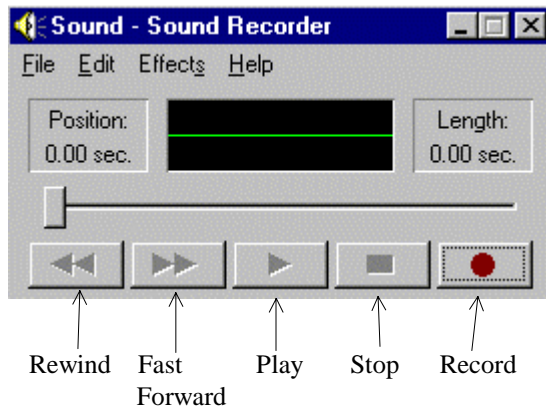
6.4.3 Recording Your In-Room Messages

1) Find the Sound Recorder. Typically you will click Start, go to Programs then go to Accessories then go to Multimedia then click Sound Recorder with your left mouse button.



Note: If you are running Windows® 98, the Sound Recorder may be in your Entertainment folder under Accessories.

2) The following screen will appear:



3) Press File with your left mouse button. A window will appear.

4) Move your mouse down to New and click it with your left mouse button.



6) Click the record button with your left mouse button and record your message into the computer's microphone.

7) Click the Stop button as soon as you are done speaking.

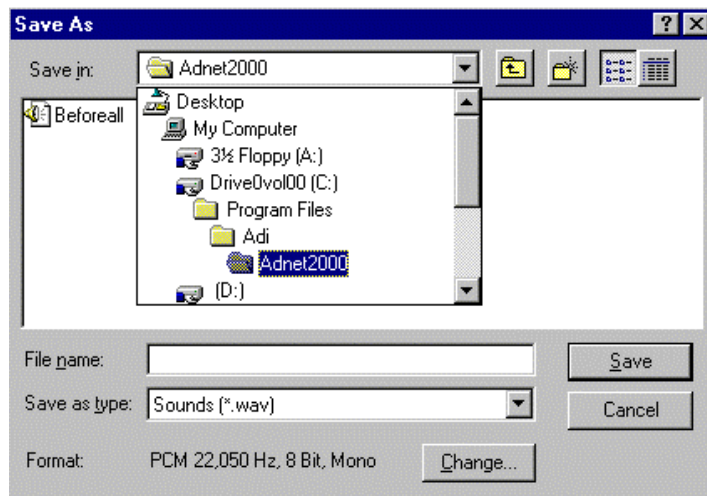
We recommend that your message is no longer than 10-15 seconds.

8) Click File with your left mouse button. A window will appear.

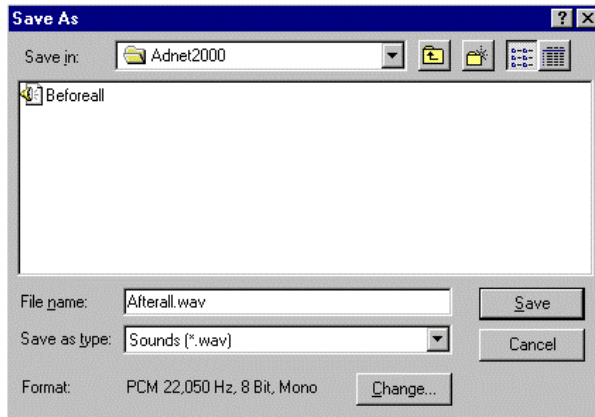
9) Click Save As with your left mouse button. A Save As window will appear.



10) In the Save in window, click the down arrow to the right and find the file folder where the ADNET 2000™ program files are located. This is the same as the path you wrote down in Section 6.4.1.



11) In the File name window, type in the file name that fits the format described below:



File Name	Description
Before#.wav	Message sounded while room # is in delay. If you selected Play DIFFERENT Message for Individual Rooms under Message During Delay in Section 6.4.2, then this is the file name you give your recording.
Beforeall.wav	If you want the same message sounded in all rooms while in delay. If you selected Play SAME Message for ALL Rooms under Message During Delay in Section 6.4.2, then this is the file name you give your recording.
After#.wav	Message sounded while room # is in dirty or cool down mode. If you selected Play DIFFERENT Message for Individual Rooms under Message During Cool Down and Dirty Room in Section 6.4.2, then this is the file name you give your recording.
Afterall.wav	If you want the same message sounded in all rooms in dirty or cool down mode. If you selected Play SAME Message for ALL Rooms under Message During Cool Down and Dirty Room in Section 6.4.2, then this is the file name you give your recording.

If the message you just recorded is the message you want to play in room 4 while room 4 is in delay, the file name MUST be named as follows: **Before4.wav**. This will allow you to play a different message for each bed.

If the file you just recorded is to be played in every room while any room is in delay, the file MUST be named as follows: **Beforeall.wav**.

If the message you just recorded is the message you want to play in room 6 while room 6 is in dirty room or cool down mode, the file MUST be named as follows: **After6.wav**.

If the file you just recorded is to be played in every room while any room is in dirty room or cool down mode, the file MUST be named as follows: **Afterall.wav**. This will allow you to play a different message for each bed.

9) Repeat Steps 1-8 until all messages are recorded are recorded.

7. THE INTERCOM

7.1 Setting Up the Intercom

Install the Series as described in Section 2. Section 2.3 describes how to adjust the volume in each T-Max® 3A/F/I in each room.

7.1.1 Adjusting the Volume on the T-Max® 3A/I/Master

- 1) Press the Call/Menu button on the T-Max® Mgr/Pro. The LCD display will read as follows: SECURITY/CALL
- 2) Press 1 followed by the Enter button.
- 3) Have a person go into room 1 you called and start talking.
- 4) Press the Volume Up or Down button on the T-Max® 3A/I/Master to adjust the volume.
- 5) Press the Volume Up and Down buttons on the T-Max® 3A/F/I simultaneously to save the volume level.

7.2 Calling a Room from the Front Desk

- 1) Press the Call/Menu button on the T-Max® Mgr/Pro. The LCD display will read as follows: SECURITY/CALL.
- 2) Press the room number you want to talk to followed by the Enter button.

The light on the T-Max® 3A/I/Master will flash Red. The timer on the tanning room will go to double dash (--). The light on the T-Max® 3A/I/Master will flash red.

If Parameter 22 is set to a 1, the tanning bed will automatically turn off and the timer will go to pause (the session time will continue to count down). If parameter 22 is set to a 0, the tanning bed will stay on.

To talk to the room, press and hold the talk button on the T-Max® 3A/I/Master. Hold this button while talking. Release the button to listen. No button needs to be pushed in the room to talk.

Press Clear on the T-Max® Mgr/Pro to hang up the intercom. The display on the T-Max® 3A/F/I will show the remaining session time and the light on the T-Max® 3A/I/Master will turn green.

7.3 Calling the Front Desk from a Room.

- 1) Press and release the Call button on the T-Max® 3A/F/I in the tanning room.

The T-Max® 3A/F/I will show two dashes. If parameter 22 is set to a 1, the tanning bed will turn off and the timer will go to a Pause mode (session time will continue to count down). The light on the T-Max 3A/I/Master will flash red.

2) The T-Max® Manager LCD display will read as follows: Talk to Room # (the room number calling the front desk). The light on the T-Max® 3A/F/I will flash Red while the intercom is active.

3) The front desk operator must press and hold the Talk button on the T-Max® 3A/I/Master to talk, and release the Talk button to listen. The tanner in the room does not press any buttons.

7.4 Auto Shutoff

When a salon operator calls a tanning room, or the tanning room calls the front desk, you have the choice of having the tanning bed turn off automatically or stay on if a session is running. Parameter 22 controls this feature. Refer to Section 5.2.2 for changing parameter numbers.

0 = Tanning bed will stay on if the room is called.

1 = Tanning bed will automatically turn off if the room is called.

If parameter 22 is set to a 1, when the room is called, the T-Max® 3A/F/I will go into the Pause mode. The display will show 2 dashes and the period will stop flashing and stay illuminated. Session time will continue to count down. When the intercom is hung up at the front desk, the display will show the remaining session time. The tanner must press the Start/Stop button to turn the tanning bed back on.

7.5 Call Waiting

If another room calls the front desk while the intercom is active with another room, the display on the T-Max® 3A/F/I in the tanning room will show flashing dashes. A yellow light will flash on the T-Max® Manager/Pro showing which room is trying to call. The T-Max® Mgr/Pro will beep while a call is pending. If parameter 22 is set to a 1, the tanning bed will not yet turn off.

Once the conversation is done with the first room, press clear on the T-Max® Mgr/Pro to hang up. The room waiting will automatically connect and be displayed on the T-Max® Mgr/Pro display. The flashing dashes in the room will turn to solid dashes. If parameter 22 is set to a 1, the tanning bed will turn off.

Press Clear on the T-Max® Mgr/Pro to hang up. The display will return to the room status. The T-Max®3A/F/I in the tanning room will show the remaining session time. If the tanning bed is off, the customer must press the Start/Stop button to turn the tanning bed back on.

7.6 Emergency Call

In the event of a salon emergency, an Emergency Call feature has been implemented.

IMPORTANT: When the Emergency Call is implemented, every active session will be canceled and the tanner will not be able to restart the session.

1) Press the Call/Menu button on the T-Max® Mgr/Pro. The following message will appear on the LCD display: SECURITY/CALL.

2) Press 911 followed by the Enter button.

Every active session in the salon will be canceled and all tanning beds will turn off. Every T-Max® 3A/F/I will show two dashes. The people in the room will not be able to speak to the front desk.

3) Press and hold the Talk button on the T-Max® 3A/F/I and speak into the microphone. The announcement will be broadcast to every room in the salon that has a T-Max® 3A/F/I installed.

To cancel the Emergency Call, press the Clear button on the T-Max® Mgr/Pro.

8. EXPANSION

8.1 Adding Beds

IMPORTANT: Maximum times for each bed is programmed into the T-Max®3A/F/I at the factory. When ordering the T-Max®3A/F/Is, make sure you have the maximum time for each bed available.

One T-Max® Mgr/Pro will control up to 64 beds. To add beds, simply purchase one T-Max®3A/F/I for each bed that you add.

Setting the address on each new T-Max®3A/F/I

Refer to Section 4.1 on setting the address on the T-Max®3A/F/I. Make sure the address set on each additional T-Max®3A/F/I is not the same as a T-Max®3A/F/I you already have.

Setting the max. bed number on the T-Max® Mgr/Pro

If you are using a computer, refer to Section 6.3.8 on setting the Max. Bed Number. If you are not using a computer, refer to Section 5.2.1.

8.1.1 The ADNET-Repeater™ (optional)

The T-Max® Series will connect up 128 beds. However after about 25 tanning beds, you may experience communications errors. If this happens, you may need to add a T-Max® Repeater. The ADNET-Repeater™ connects anywhere in the daisy chain and amplifies the communications signal down the rest of the line. (See Figure I, Section 12.9)

8.2 Adding T-Max® Manager/Pro's

T-Max® Series can have up to 8 T-Max® Mgr/Pro's. A computer can be added to each T-Max® Mgr/Pro. Refer to Section 3.2 for instructions on connecting a PC to each T-Max® Mgr/Pro. To add T-Max® Mgr/Pro's, follow these steps:

- 1) The side of the T-Max® Manager/Pro has 2 terminator switches. Flip these two switches up to the OFF positions on each slave T-Max® Mgr/Pro.
- 2) Apply power to each Slave T-Max® Mgr/Pro.
- 3) Refer to Section 5.2.1 on setting the address on the each Slave T-Max® Mgr/Pro. Make sure each Slave T-Max® Mgr/Pro has a unique address.
- 4) Connect each slave T-Max® Mgr/Pro where you want in the daisy.

- 5) Apply power to the Master T-Max® Mgr/Pro
- 6) Refer to Section 5.2.1 and Set the Max. Slave Setting on the Master T-Max® Mgr/Pro.
- 7) Cycle power to the Master T-Max® Mgr.

Note: Each Slave T-Max® Mgr/Pro must be powered up before you power the Master T-Max® Mgr/Pro. Each computer can be used to cancel a session, start a session, and monitor all sessions. However, parameters (bulb hours, session counts, etc.) can only be monitored and changed from the Master T-Max® Mgr/Pro.

9. T-MAX®3A/F/I OVERVIEW

Each T-Max®3A/F/I can individually control a tanning bed in the event of a front desk failure. Operation is accomplished via front panel controls. The T-Max®3A/F/I comes fitted with a wall plate and fits into a 4- wide wall box.

9.1 Installing the T-Max® 3A/F/I

Refer to Section 2.1.

9.2 Setting Parameters on the T-Max®3A/F/I

Note: If you are using a T-Max® Mgr/Pro and multiple T-Max®3A/F/Is, remove power from the T-Max® Mgr/Pro then cycle power to each T-Max®3A/F/I. Keep power removed from the T-Max® Mgr/Pro until all parameter changes are complete. Refer to Table 1 for Parameter Numbers and Descriptions.

- 1) Apply power to the T-Max®3A/F/I
- 2) Press and hold the Start/Stop and Up buttons simultaneously on the T-Max®3A/F/I until a .1 appears on the display. This should take 5-6 seconds. Release the Start/Stop button.
- 3) Press the Up or Down Button until the parameter number that you want is displayed.
- 4) Press the Start/Stop Button to observe the current value for that parameter.

The Display will show a number with a period in the lower center of the display. The numbers will stop flashing and stay illuminated. The number shown is the current value for that parameter.

For Lamp Hours, Session Counts, etc. the value displayed can be as high as 9999. To display this value, the T-Max®3A/F/I will flash two numbers-three times, then two numbers-three times, pause, two numbers-three times, two numbers-three times, pause, etc. For example, if you are checking lamp hours (Parameter 6) and the display flashes the numbers 53 three times, then 14 three times, pauses then repeats, then the total lamp hours stored in that T-Max®3A/F/I is 5314.

- 5) Press the Up or Down button to change the parameter to the desired value.
If you want to clear the value for that parameter, press the Up and Down buttons at the same time until the display shows “.0”.
- 6) Press the Start/Stop Button.

The display will show the parameter number you just changed and a solid period in the lower center of the display. You may now change another parameter by pressing the Up and Down buttons until the parameter you want displayed. Repeat Steps 2-4.

7) To exit the Parameter mode and make the T-Max®3A/F/I available for the next session, press and hold both the Up and Down buttons until the display shows a 0 with no periods is displayed.

9.2.1 Setting the Address

Refer to Section 4.1 on setting the address on the T-Max®3A/F/I manually.

9.2.2 Setting Delay Time.

Note: If you are using the T-Max® Mgr/Pro, delay does not need to be set on the T-Max®3A/F/I.

- 1) Apply power to the T-Max®3A/F/I
- 2) Press and hold the Start/Stop and Up buttons simultaneously on the T-Max®3A/F/I until a .1 appears on the display. This should take 5-6 seconds. Release the Start/Stop button.
- 3) Press the Up Button until a .3 is displayed.
- 4) Press and release the Start/Stop button.

A number will appear on the display and be flashing. A period will be illuminated in the center of the display. This is the current delay time.

- 5) Press the Up and Down Button until the desired delay time is displayed.

The highest delay time that can be set on the T-Max®3A/F/I is 10 minutes. If you want no delay time, set the display to 0. If you set the Delay Time to 0, the session time will start immediately after the Start/Stop button is pressed.

- 6) Press the Start/Stop button until a .3 is displayed. The 3 will not flash.

To exit Parameter Mode, press and hold the Up and Down button until a 0 is displayed.

10. Using the T-Max® 3A/F/I as an Independent Timer

10.1 Starting a Session

Unplug power from the T-Max® Mgr/Pro then unplug power to the T-Max®3A/F/I then plug it back in. Power must stay removed from the T-Max® Mgr/Pro while the T-Max®3A/F/I is being used independently,

- 1) Press the Up and Down Button on the T-Max®3A/F/I until the session time is displayed. If the display shows a 0, and you want to count down from the maximum time, press the down button.
- 2) Press and release the Start/Stop button to start the session.

If a delay other than 0 is entered, the delay will count down. A period on the lower right corner of the display will flash rapidly. When the session starts, the period will flash at a once per second rate.

10.2 Pausing a Session

To pause the session press the Start/Stop button. The flashing period on the lower right corner of the display will stop flashing. The session time will continue to count down.

To restart the session, press the Start/Stop button on the T-Max®3A/F/I. The period on the lower right corner of the display will resume flashing.

10.3 Canceling a Session.

To cancel a session, press the Start/Stop button to pause the session then press the Up button. The display will show a solitary 0.

11. OTHER FEATURES and OPTIONS

11.1 Clean Room

Once the session time has elapsed, the display will show two solid periods only. This is an indication that the room needs to be cleaned. To clear the clean room indication, press and hold the Up button on the T-Max®3A/F/I in the tanning room until the two periods disappear and a “0” appears. To disable the clean room feature, set parameter 9 to a 0 (Refer to Section 5.2.6 if you are using the T-Max® Mgr/Pro manually, Section 6.3.5 if you are using ADNET, or Section 8.2 if you want to disable Clean Room at the T-Max®3A/F/I).

If the Clean Room and Cool Down Modes are enabled, the clean room will be displayed ADNET will show Dirty, but the Cool Down time will be shown counting down. If the room is cleaned before the cool down time has elapsed or if the clean room is disabled, a solid period will be displayed on the lower center on the T-Max®3A/F/I and On the T-Max® Mgr. The ADNET screen will show FAN with the cool down time counting down. You cannot start a session until the cool down time has elapsed.

If the Clean Room and Cool Down Modes are enabled, the clean room will be displayed. If the room is cleaned before the cool down time has elapsed or if the clean room is disabled, a solid period will be displayed on the lower center on the T-Max®3A/F/I. The display and ADNET will read FAN and the light on the left of the T-Max® Mgr/Pro will flash green. You cannot start a session until the cool down time has elapsed.

11.2 Cool Down Mode

Cool Down mode is used for beds that require a time to cool down before the next session can be run. This is primarily used by high-pressure beds. While the T-Max®3A/F/I is in Cool Down Mode, a session can not be run until the cool down time has expired.

To enable Cool Down Mode, set parameter 13 to the time in minutes you want the cool down time to last. Setting parameter 13 to 0 disables Cool Down Mode. (Refer to Section 5.2.6 if

you are using the T-Max® Mgr/Pro manually, Section 6.3.5 if you are using ADNET, or Section 8.2 if you want to disable Clean Room at the T-Max®3A/F/I)

After the session ends, the T-Max®3A/F/I will go into Cool Down Mode. A single period will be displayed on the T-Max®3A/F/I and T-Max® Mgr/Pro will show a flashing green light for the duration of the cool down time. ADNET and the T-Max® Mgr/Pro display will show Cool with the time counting down. If clean room is also enabled the clean room will be displayed. ADNET and the T-Max® Mgr/Pro display will show Dirty and the light for that room will be solid red, but the Cool Down time will be shown counting down. If the room is cleaned before the cool down time has elapsed or if the clean room is disabled, a solid period will be displayed on the lower center on the T-Max®3A/F/I. The T-Max® Mgr/Pro display and ADNET screen will show Cool with the cool down time counting down. You cannot start a session until the cool down time has elapsed.

11.3 T-Max® Monitor/Plus

The T-Max® Monitor/Plus is a device that allow the salon owner to check the status of all the beds at any place in the salon. The T-Max® Monitor/Plus has 16 LED displays showing remaining session time. Multiple T-Max® Monitor/Plus's can be connected for large salons. The T-Max® Monitor/Plus can be connected anywhere in the T-Max® chain. You can connect them at the front desk if you want to glance over and see remaining session time, or you can place them anywhere else in the salon so the cleaning staff can see how much session time is remaining for each room. Contact your dealer for more information.

11.4 T-Max® Sentry™ (Optional)

The T-Max® Sentry™ is a current sensing device that detects when a bed is energized when it should not be or is not energized when it should be. If you are not using a T-Max® Mgr/Pro, the T-Max®3A/F/I must be programmed with this option enabled at the factory. Contact your dealer for this option.

Note: Remove power from the tanning bed when installing this option. We recommend that a licensed electrician installs this option.

- 1) Place the Jumper on Pins 1&2 on JP99 on the back of the T-Max®3A/F/I (See Figure C).
- 2) Attach the two wires on the T-Max® Sentry™ to the terminal block labeled "Sensor" on the T-Max®3A/F/I (refer to Figure C, Section 12.3 and Figure E, Section 12.5).
- 3) Find a load carrying wire on your tanning bed (not the wire connected to the relay on the T-Max®3A/F/I). Run that wire through the center of the T-Max® Sentry™ (refer to Figure D, Section 12.5).

If your tanning bed draws less than 10 AMPS, wrap the wire around the T-Max® Sentry™ one time (refer to Figure E, Section 12.6).

If the bed remains on after the session time has expired, or if the bed did not energize after a session has started, an error will appear on the T-Max®3A/F/I. An audible alarm will also sound.

Set Parameter 4 on the T-Max®3A/F/I to a 1 (refer to Section 5.2.2 if you are the T-Max® Mgr/Pro for manual operation or Section 6.3.5 if you are using ADNET).

Refer to Section 13 for troubleshooting tips.

11.5 High Pressure (Single-Side) Beds

The T-Max®3A/F/I has an alarm that will beep for 10 seconds half way through the session informing the customer to turn over. If you are not using a T-Max® Mgr/Pro, this option must be enabled at the factory.

If you are using a computer, refer to Section 6.3.5 and set parameter 2 to a 1 for the bed that you are enabling the Mid-Session Flip alarm. If you are using the T-Max® Mgr/Pro manually, refer to Section 5.2.2 on how to send parameters manually.

11.5.1 Installing External Speaker (Optional)

If the speaker on the T-Max®3A/F/I is not loud enough, a T-Max® Speaker that connects to the T-Max®3A/F/I is available. To install the T-Max® Speaker do the following. See Figure C, Section 12.3 for J6 location and J99 and J100 locations and jumper positions.

Note: The External speaker has nothing to do with the intercom. It is only used to provide a louder beep for the beeper on the T-Max® 3A/F/I.

- 1) Connect the cable on the T-Max® Speaker to the J6 on the back of the T-Max®3A/F/I
- 2) Place the Jumper on J100 to pins 2 and 3 on the back of the T-Max®3A/F/I
- 3) Set Parameter 20 to a 1 (Refer to Section 5.2.2 if you are using the T-Max® Mgr/ Plus manually, Section 6.3.5 if you want to use ADNET or Section 8.2 if you want to enable this function at the T-Max®3A/F/I).

11.6 Connecting a Remote Push Button to the T-Max®3A/F/I (Optional)

A T-Max®3A/F/I can be used to control another T-Max®3A/F/I. This is ideal for small salons that are not using a T-Max® Mgr. Two T-Max®3A/F/Is are required for remote single bed control.

A remote push button can be connected to the T-Max®3A/F/I to start sessions. **This option is a special modification and must be added at the factory when ordering the T-Max®3A/F/I!**

Connect the wires from your external push button circuit to the “EXT START” Screw terminals on the back of the T-Max®3A/F/I. Place a jumper on J100-pins 2 & 3 (See Figure C, Section 12.3 for jumper locations. See Figure L Section 12.12 for an example of an External Push Button circuit).

When the external push button is pressed, 5 or 24 VAC must be applied to the Ext. Start screw terminals on the back of T-Max®3A/F/I. If you are providing 24V, remove jumper J1.

To start a session, press the Up or Down button on the T-Max®3A/F/I to set the time, then when ready, press the Remote push button instead of the Start/Stop button on the T-Max®3A/F/I.

11.7 T-Max® Enclosure (Optional)

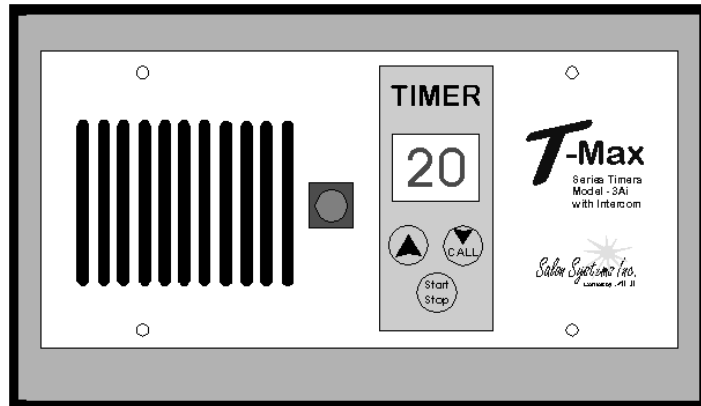
The T-Max® Enclosure is a metal box that connects to a T-Max®3A/F/I so that the unit can either be hung on a wall or set on a table. Teardrop holes on the back of the T-Max® Enclosure allow for easy installation.

The T-Max® Enclosure is slanted to make the T-Max®3A/F/I push buttons and display easy to access and read. The T-Max®3A/F/I can fit so that it is slanted up or down. Slanted up is ideal for setting the timer on a desk. Slanted down is great for hanging the T-Max®3A/F/I on a wall.

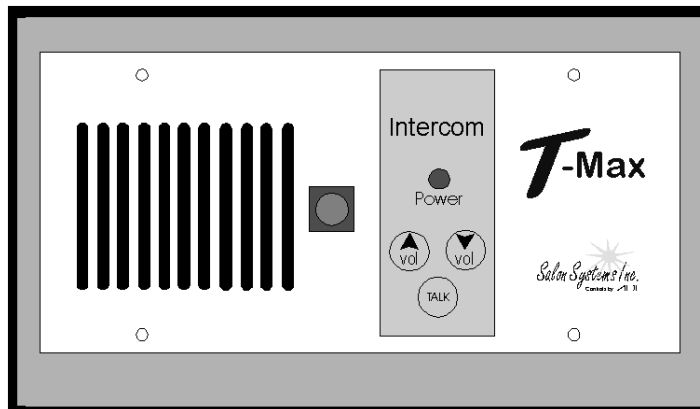
To install the T-Max®3A/F/I to the T-Max® Enclosure, first run the cables through the wire holes on the T-Max® Enclosure and connect them to the T-Max®3A/F/I as described in Section 3.4. Connect the grommets to hold the wires in tight. Plug any unused holes with the provided plastic plugs. Connect the T-Max®3A/F/I to the T-Max® Enclosure using the four screw provided with the T-Max®3A/F/I.

12. FIGURES

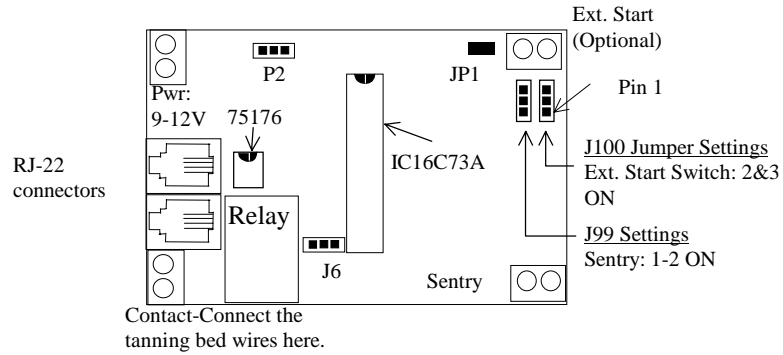
12.1 Figure A - Front View Of The T-Max® 3A/F/I



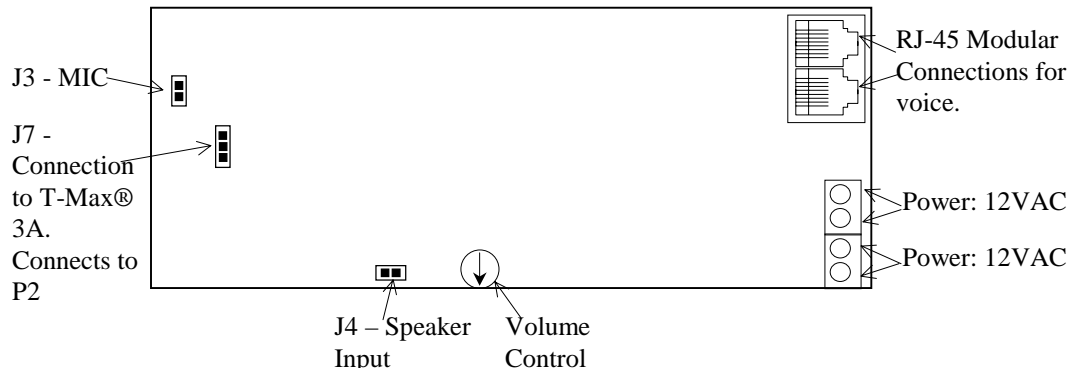
12.2 Figure B - Front View Of The T-Max® 3A/I/Master



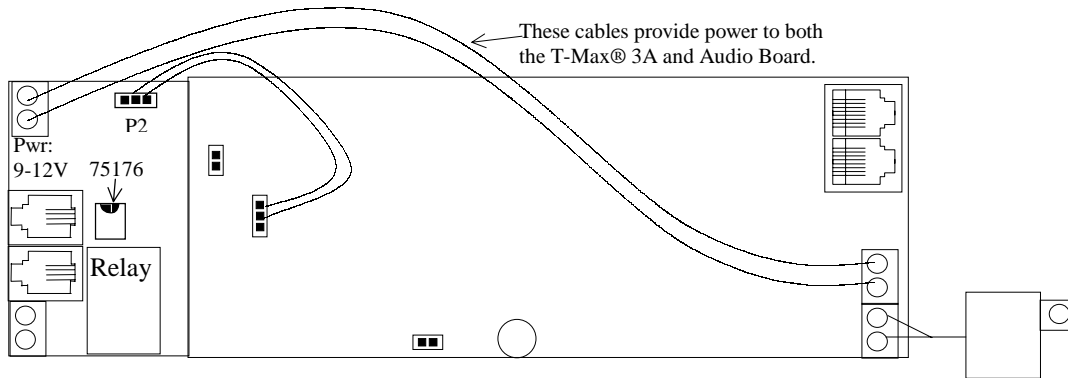
12.3 Figure C - Rear View Of T-Max®3A/F/I and Audio Circuit Board



T-Max®3A/F/I Connections – Lower T-Max® 3A Board

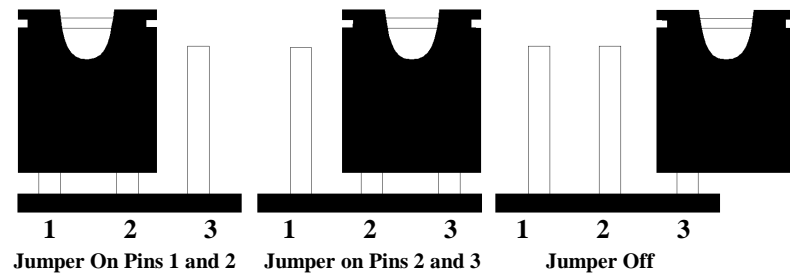


The Audio Board.



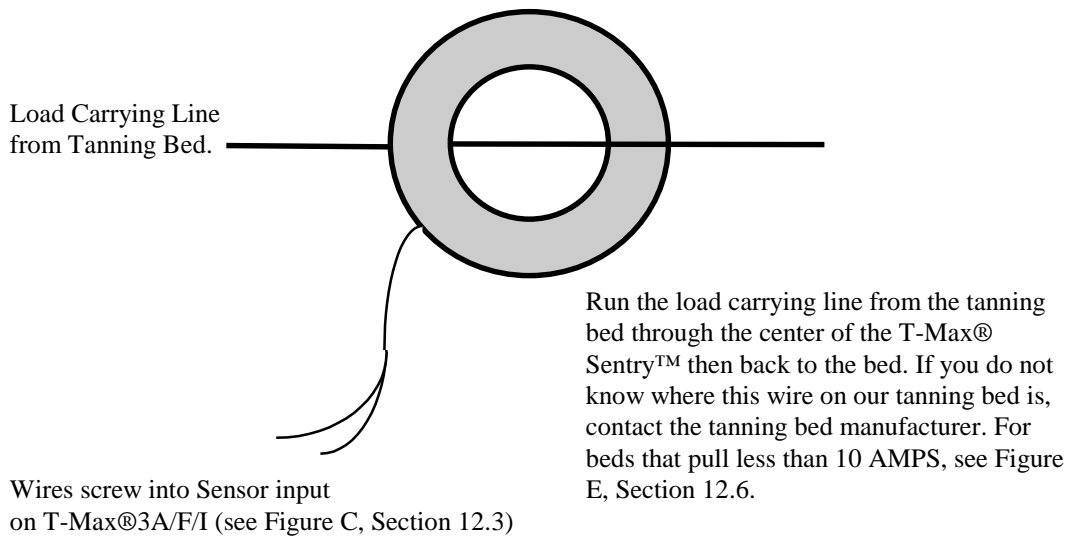
The T-Max® 3A and Audio Board Together.

12.4 Figure D - J99 and J100 Jumper Settings



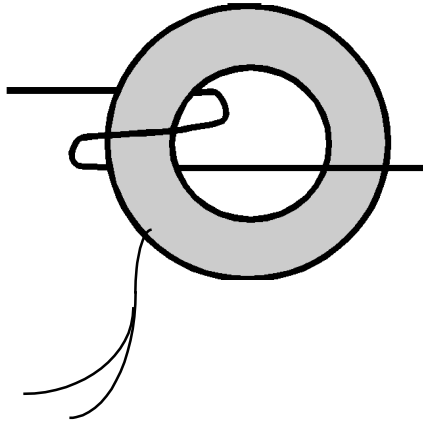
Jumper Positions for J99 and J100

12.5 Figure E - Connecting The T-Max® Sentry™



The T-Max® Sentry™

12.6 Figure F - Connecting To Lower Current Beds



For beds that pull less than 10 AMPS, wrap the wire around the T-Max® Sentry™ one time.

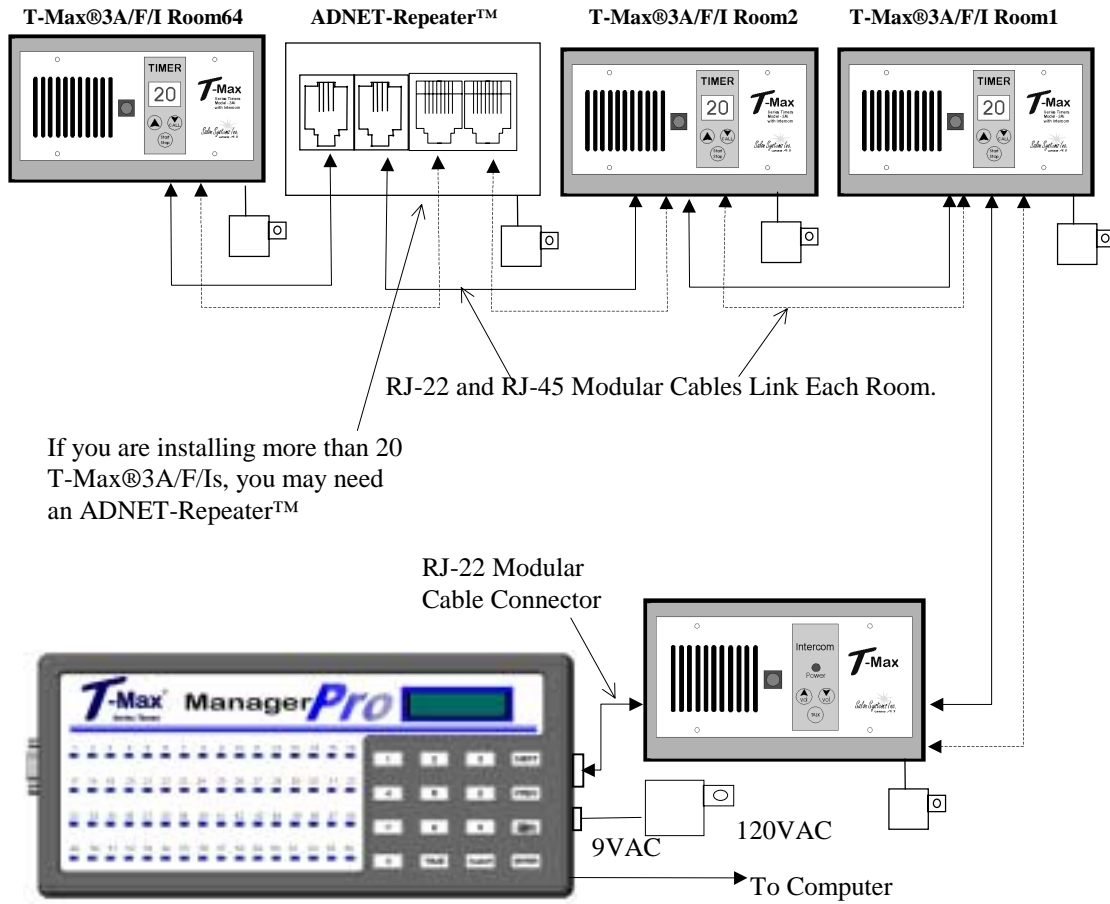
The T-Max® Sentry™

12.7 Figure G - The T-Max® Mgr/Pro



Front View of the T-Max® Mgr/Pro

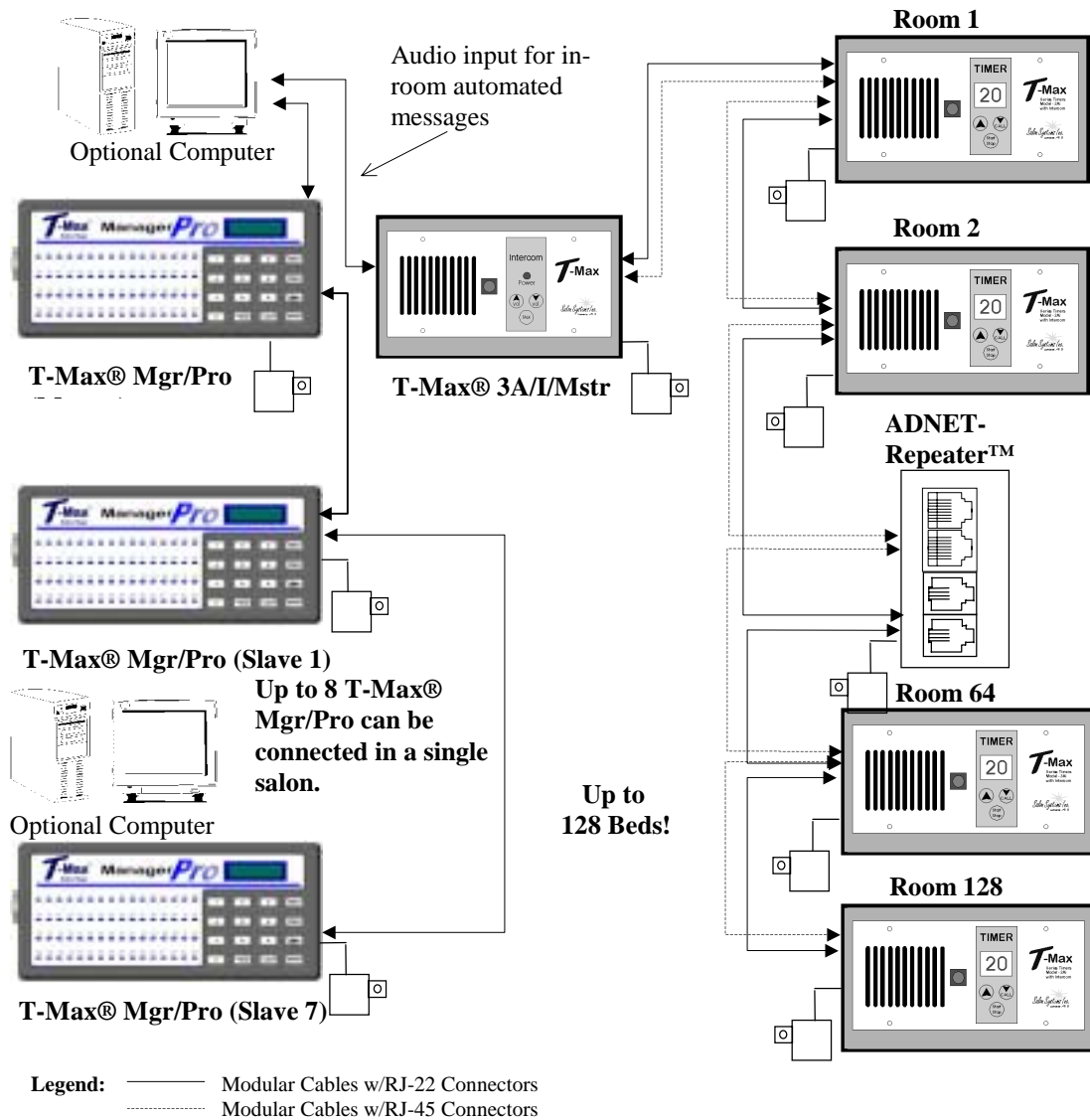
12.8 Figure H - Connecting The T-Max® Series



2 T-Max® Mgr/Pro's can be connected to control up to 128 beds!

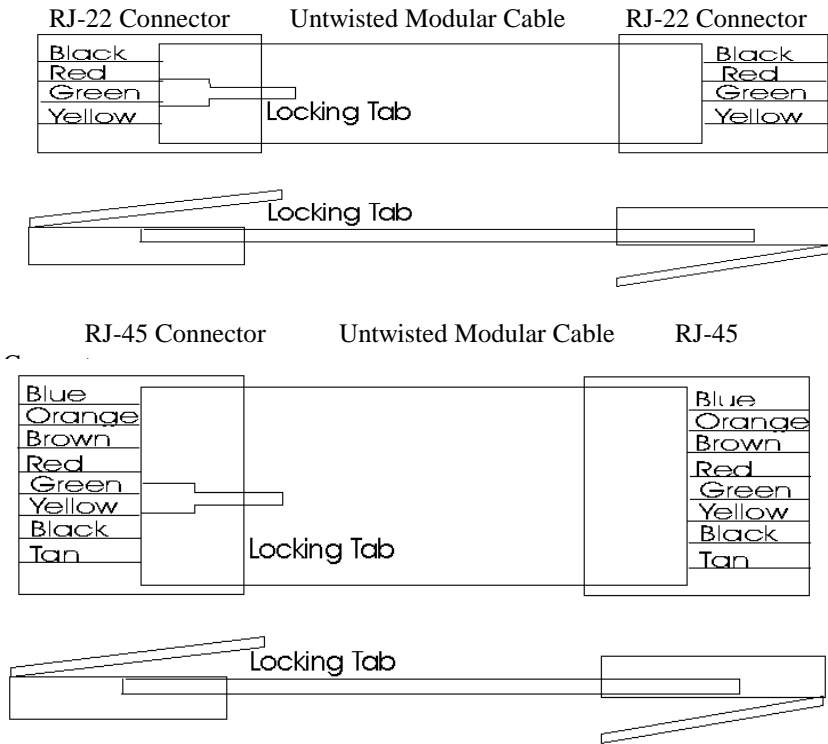
Connecting the T-Max® Series is Easier than ever!

12.9 Figure I - Multiple Configurations



Connect Multiple T-Max® Mgr/Pro's, Computers, and up to 128 Beds!

12.10 Figure J - Modular Cable Pinouts

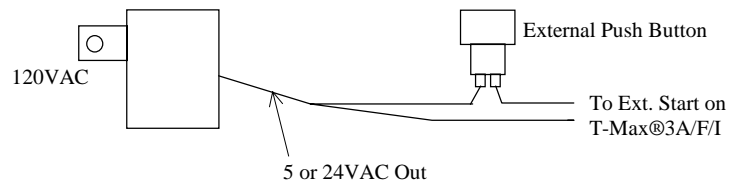


Use this diagram if you are making your own cables

Important!!!

Salon Systems, Inc. highly recommends that you do not modify the cables provided with each T-Max®3A/F/I. If you need longer cables, contact your dealer or Salon Systems, Inc. All cables are pre-tested at the factory for proper connection. If you are not careful in making your own cables, the system may not work properly!

12.11 Figure K - Example Of An External Push Button Circuit



The T-Max®3A/F/I can be ordered with an external push button option. When 5 or 12Volts is applied to the External Start input on the T-Max®3A/F/I while it is in Delay, the bed will be energized with out having to press the Start/Stop button. Above is an example of an push button circuit.

13. TROUBLE SHOOTING

The T-Max® Series has been designed for years of trouble free service. However, if a problem does arise, please follow the following trouble shooting steps before calling technical support.

13.1 Trouble Shooting.

1) No Lights Illuminated on the T-Max® Mgr/Pro

Make sure that the transformer is plugged into the wall and into the power input on the T-Max® Mgr/Pro. Try plugging the T-Max® Mgr/Pro into a different outlet. If you are using a surge suppresser or UPS backup system, try plugging the T-Max® Mgr/Pro directly into the wall outlet. Check the circuit breaker in your building to make sure it's on. Use a voltmeter to measure the voltage on the transformer on the end that connects to the T-Max® Mgr/Pro.

2) The T-Max® Mgr/Pro does not show any beds, and the LCD display shows a black line along the top.

This is an indication the program loaded in the T-Max® Mgr/Pro is lost or has been corrupted. Run ADNET 2000™. Go to Section 6.3.7 and load the T-Max® Mgr/Pro with new software.

3) The T-Max® Mgr/Pro does not see any beds.

Go through the Quick installation setup in Section 2. Cycle power on the T-Max® Mgr/Pro. The T-Max® Mgr/Pro will rescan the network. Make sure each T-Max®3A/F/I has a unique address. Swap the modular cable between the T-Max® Mgr/Pro and the T-Max®3A/F/I is connected to.

4) When going through the Quick Installation set-up, when I press 888 then Enter on the T-Max® Mgr/Pro to set the addresses, some or all of the T-Max®3A/F/Is do not go to 99 and buzz.

Remove the terminator from the last T-Max®3A/F/I in the line. Check the cable between the T-Max® Mgr/Pro and the first T-Max®3A/F/I. Swap the T-Max®3A/F/I in the first room with the last one.

5) When power is applied to the T-Max® Mgr/Pro, bed 1-5 show on the T-Max® Mgr/Pro, but the rest of my beds do not show.

Go through the Quick Installation in Section 2. Make sure that power is applied and modular cables are connected to each T-Max®3A/F/I. Try a new modular cable between the last T-Max®3A/F/I displayed and the first T-Max®3A/F/I that does not show on the T-Max® Mgr/Pro in the daisy chain. If you don't have a spare cable, swap the cable between the last T-Max®3A/F/I that appears on the T-Max® Mgr/Pro and the first T-Max®3A/F/I that does not appear on the T-Max® Mgr/Pro with a modular cable that is connected between two T-Max®3A/F/Is that appear on the T-Max® Mgr/Pro display. If the problem follows, the modular cable is either bad or wired incorrectly. Check the modular cable pinouts on the defective cable (refer to Section 12.11, Figure K). If the problem does not follow, swap the first T-Max®3A/F/I that does not appear on the T-Max® Mgr/Pro in the daisy chain with one that does. If the problem follows, return the defective T-Max®3A/F/I for repair. If the problem does not follow, swap the last T-Max®3A/F/I that appears on the T-Max® Mgr/Pro with one of the other T-Max®3A/F/Is that appears on the T-Max® Mgr/Pro.

6) The Slave T-Max® Mgr/Pro does not show any beds.

Check and make sure the modular cable is connected to the Slave T-Max® Mgr/Pro. Recycle power to the Master T-Max® Mgr/Pro. Cycle power to the Slave T-Max® Mgr/Pro then cycle power to the Master T-Max® Mgr/Pro.

7) How do I make the T-Max®3A/F/Is work as stand-alone timers?

Remove power from the T-Max® Mgr/Pro. Unplug power from each T-Max®3A/F/I, wait 5 seconds, then plug them back in. On the T-Max®3A/F/I, press the Set button to set time, then press the Start/Stop button to start the session. Power to the T-Max® Mgr/Pro must stay off while the T-Max®3A/F/Is are being used as independent timers.

8) When I start a session manually, the session time will not start.

Press the Call/Menu button. The following message will appear: SECURITY/CALL. Enter your security number for security level 1 (See the enclosed Security Level Sheet). An Asterisk (*) will appear on the lower left corner of the LCD display. You can then start sessions manually.

9) I can start sessions from the Master T-Max® Mgr/Pro, but not the Slave T-Max® Mgr/Pro

Enter Security Level 1 (See your enclosed Security Sheet). An Asterisk (*) will be displayed on the lower left corner of the T-Max® Mgr/Pro. Cycle power to both the Slave T-Max® Mgr/Pro then the Master T-Max® Mgr/Pro. Watch the LCD display. On the lower right, make sure the display shows “VER-202/T” or higher. If it does not contact your dealer for the latest T-Max® Series Utility Software and load it into the T-Max® Mgr/Pro as described in Section 6. Check and make sure the modular cable is connected to the Slave T-Max® Mgr/Pro. Recycle power to the Master T-Max® Mgr/Pro. Go into the Master T-Max® Mgr/Pro parameter mode (Security Level 3) and set the Max Slave Number to 7. Cycle power to the Slave T-Max® Mgr/Pro then cycle power to the Master T-Max® Mgr/Pro.

10) When checking my bulb hours (or any other parameter), the value shows 65535 for all beds. Why?

This is an indication that you are trying to check parameters from a Slave T-Max® Mgr/Pro. You can only check and change parameters from a Master T-Max® Mgr/Pro. To determine if the T-Max® Mgr/Pro is a master or slave, cycle power to the T-Max® Mgr/Pro and watch the LCD display. The top line will read “TESTING MEMORY #”. If the # is a number other than a 0 (1-7), then this T-Max® Mgr/Pro is a slave. The T-Max® Mgr/Pro that reads “TESTING MEMORY 0” is the master.

11) When a session ends, I get 2 periods on the display on the T-Max® 3A/F/I. Why?

This is the clean room indication letting you know that the room needs to be cleaned. Press and hold the Up button on the T-Max® 3A/F/I until the periods go away and a 0 appears.

13.2 Error Codes

Error codes have been incorporated in the T-Max@3A/F/I and the T-Max@ Mgr/Pro to aid in troubleshooting.

Error Codes T- Max@3A/F/I	Codes T-Max@ Mgr/Pro	Description	Possible Solution
N/A	E0	Unrecognized Parameter	Load the T-Max@ Manager/Pro with the newest version of software.
91	E1	EEPROM Error - On power up, detects error.	1) Cycle power on T-Max@ Mgr/Pro 2) Check parameters on T-Max@3A/F/I. 3) If error occurs repeatedly, return T-Max@3A/F/I for service.
92	E2	Current Sense Error - Current Off Session has started but bed is off.	Check to see if bed is off or illuminates momentarily. If bed is off 1) Check power to bed. 2) Check outlet bed is plugged into. 3) Check circuit breaker 4) Swap T-Max@3A/F/I with one that is working. If bed illuminates momentarily: 1) Make sure T-Max@ Sentry™ is connected properly (refer to T-Max@3A/F/I User's Guide). 2) Have electrician check beds current draw. If the bed draws less than 10AMPS, wire from the bed needs to be wrapped around the T-Max@ Sentry™ one time. Refer to T-Max@3A/F/I User's Guide.
93	E3	Current Sense Error - Current On Session has expired but bed remains on.	Check to see if bed is on or off. If bed is on: 1) Swap T-Max@3A/F/I with one that is working properly. 2) Check bed for proper operation. If bed is off 1) Have electrician check the current draw on bed. If fans drawing <5AMPS, wrap wire from bed around the T-Max@ Sentry™ one time. Refer to T-Max@3A/F/I User's Guide.
94	E4	Max Time Error - T-Max@3A/F/I reporting wrong Max time.	1) Check the delay on the T-Max@3A/F/I. Make sure the Delay not set to 55. 2) Replace the T-Max@3A/F/I.
N/A	E6	Checksum Error - T-Max@ Mgr/Pro received bad value from T-Max@3A/F/I	1) Cycle power on the T-Max@ Mgr/Pro and T-Max@3A/F/I. 2) Make sure a terminator is connected to the last T-Max@3A/F/I in the T-Max@ network. 3) Swap the T-Max@3A/F/I with one that is operating correctly.
N/A	E7	Time Out Error - The T-Max@ Mgr/Pro did not receive the correct information from the T-Max@3A/F/I	1) Make sure 9VAC @ 200mA transformer powering T-Max@3A/F/I is plugged in to 120VAC outlet. 2) Make sure a terminator is connected to the last T-Max@3A/F/I in the network. 3) Swap transformer with one that is working. 4) Check modular cable to make sure it has not been disconnected. Replace modular cable. 5) Swap T-Max@3A/F/I with one that is working.

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