Velocity User Manual

27976-01C

Contents

27976-01C

Safety Guidelines

DANGER Ultraviolet radiation. Follow instructions. Avoid overexposure. As with natural sunlight, overexposure can cause eye and skin injury and allergic reactions. Repeated exposure may cause premature aging of the skin and skin cancer. WEAR PROTECTIVE EYEWEAR; FAILURE TO MAY RESULT IN SEVERE BURNS OR LONGTERM INJURY TO THE EYES. Medications or cosmetics may increase your sensitivity to the ultraviolet radiation. Consult physician before using sunlamp if you are using medications or have a history of skin problems or believe yourself especially sensitive to sunlight. If you do not tan in the sun, you are unlikely to tan from the use of this product. Children, the elderly, or fair skinned people who always burn easily and either never tan or tan minimally should not use this equipment.

To use, lie down on contoured acrylic. Keep your body, including arms and legs, in contact with the contoured acrylic surface as shown. Use of other positions may result in overexposure. Do not use without protective panels in place. Untanned persons should not tan on consecutive days during their first week of tanning. Never tan more than once a day. Tanning normally appears after the first few sessions and maximizes after approximately four weeks. Tan once or twice per week thereafter to maintain appearance. Persons already having a base tan may begin at advanced levels corresponding to the extent of their base tan.

RECOMMENDED EXPOSURE TIMES IN MINUTES

Skin Type:	Level 1/Week 1 1st-3rd sessions	Level 2	Level 3	Level 4	Level 5 Maximum
I Sensitive (Burns easily and severely and does not tan)	NOT RECOMMENDED				
II Light (Burns easily and severely and tans minimally)	3	6	9	12	15
III Normal (Burns moderately and tans average)	4	7	11	15	15
IV Dark (Burns minimally, tans easily and above average)	5	9	13	15	15

MAXIMUM EXPOSURE TIME IS 15 MINUTES

WARNING: • Read the instructions booklet before using this sunlamp product. • All persons in the room should wear protective eyewear when lamps are on. Recommended eyewear: provided eyeshields or equivalent eyewear as defined under 21 CFR 1040.20. Other types of eyewear may not provide adequate protection. Failure to use protective eyewear may result in severe burns or other eye injury. If discomfort develops, discontinue use and consult a physician.

THE FOLLOWING LAMPS HAVE BEEN CERTIFIED FOR USE IN THE VELOCITY:

Heraeus OH 50/100 EF

Heraeus VARIUS 80010517

DISCONNECT POWER BEFORE ATTEMPTING TO CLEAN, RELAMP, OR ENGAGE IN THE MAINTENANCE OF THIS PRODUCT.

THIS EQUIPMENT MUST BE EARTH GROUNDED.

This product conforms with performance standards for sun lamp products under 21 CFR PART 1040.20 and ANSI/UL Standard 482. Certified to CAN/CSA Standard C22.2 NO. 224.

INTERTEK
ETL
LISTED
C US
CM

88465

2976-01C

DANGER

Rayonnement ultraviolet. Veuillez suivre les instructions. Évitez une exposition excessive. Tout comme pour les rayons du soleil, une exposition excessive peut causer des blessures aux yeux et à la peau et provoquer des réactions allergiques. Une exposition répétée peut causer le vieillissement prématuré de la peau et provoquer le cancer de la peau. PORTEZ DES LUNETTES PROTECTRICES: LE NON-RESPECT DE CETTE CONSIGNE DE SÉCURITÉ PEUT ENTRAÎNER DE GRAVES BRÛLURES OU DES LÉSIONS OCULAIRES À LONG TERME. Les médicaments ou les produits cosmétiques peuvent augmenter votre sensibilité au rayonnement ultraviolet. Consultez un médecin avant d'utiliser la lampe solaire si vous prenez des médicaments, si vous souffrez d'une maladie cutanée ou si vous croyez être particulièrement sensible aux rayons du soleil. Si vous ne bronzez pas au soleil, il est peu probable que vous bronzerez sous une lampe solaire. Les enfants, les personnes âgées et les personnes qui ont une peau claire qui brûle facilement, ne bronze jamais ou alors très peu, ne devraient pas utiliser cette lampe.

Pour la mise en fonction, étendez-vous sur la surface tracée en acrylique. Maintenez votre corps y compris bras et jambes en contact avec le périmètre tracé, comme sur le dessin. L'utilisation en d'autres positions peut conduire à une surexposition. Ne pas utiliser sans avoir mis en place les panneaux de protection. La première semaine de bronzage, les personnes qui n'ont pas un hâle initial ne doivent pas se faire bronzer tous les jours. Ne vous faites jamais bronzer plus d'une fois par jour. Le bronzage commence normalement à apparaître après les premières séances : il atteint son apogée au bout d'environ quatre semaines. Les personnes qui ont déjà un teint hâlé peuvent commencer à des niveaux plus élevés, selon l'importance de leur hâle initial.

TEMPS D'EXPOSITION RECOMMANDÉ EN MINUTES					
Types de peau:	Élevé 1/Sem. 1 1ere-3^e	Élevé 2	Élevé 3	Élevé 4	Élevé 5 Maximal
I **sensible** (brûle facilement et ne bronze pas)	NON RECOMMANDÉ				
II **claire** (brûle facilement et bronze très peu)	3	6	9	12	15
III **normale** (brûle et bronze de façon modérée)	4	7	11	15	15
IV **foncée** (brûle très peu, bronze plus facilement que la moyenne)	5	9	13	15	15
LE TEMPS D'EXPOSITION MAXIMAL EST DE 15 MINUTES					

AVERTISSEMENT : • Lisez le livret d'instructions avant d'utiliser cette lampe solaire. • Les autres personnes présentes dans la pièce doivent aussi porter des lunettes protectrices lorsque les lampes sont allumées. Coquilles de protection pour les yeux recommandées: Les coquilles de protection fournies ou l'équivalent, tel que le stipule le document 21 CFR 1040.20. Les autres types de lunettes protectrices peuvent ne pas assurer une protection adéquate. Utilisé sans lunettes protectrices, ce produit peut causer des brûlures ou lésions oculaires graves. Si vous souffrez d'un malaise, arrêtez l'utilisation et consultez un médecin.

SEULES LES LAMPES SUIVANTES ONT ÉTÉ HOMOLOGUÉES POUR CET ÉQUIPEMENT :

Heraeus OH 50/100 EF

Heraeus VARIUS 80010517

Débrancher l'alimentation électrique avant de nettoyer l'appareil , d'en faire l'entretien ou de changer les lampes.

Cet équipement doit être mis à la terre.
Ce produit est conforme aux normes de rendement pour les lampes solaires dans le documents 21 CFR, partie 1040.20 , ANSI/UL 482 , CAN/CSA C22.2 N° 224.

27976-01C

88465

Pre-installation Planning

Due to the size of the **Velocity HP1000** and complexity of the setup process, trained installation professionals will install the unit. However, you are responsible for preparing the facility for this tanning bed.

This tanning bed runs on **220VAC** service. A professional electrician is recommended for electrical installation. This unit requires a minimum **80A circuit breaker on a 3-phase line** (3 wire plus ground). Alternatively, it requires a minimum **150A circuit breaker on a single phase line** (2 wire plus ground). Refer to the diagram below for wiring placement.
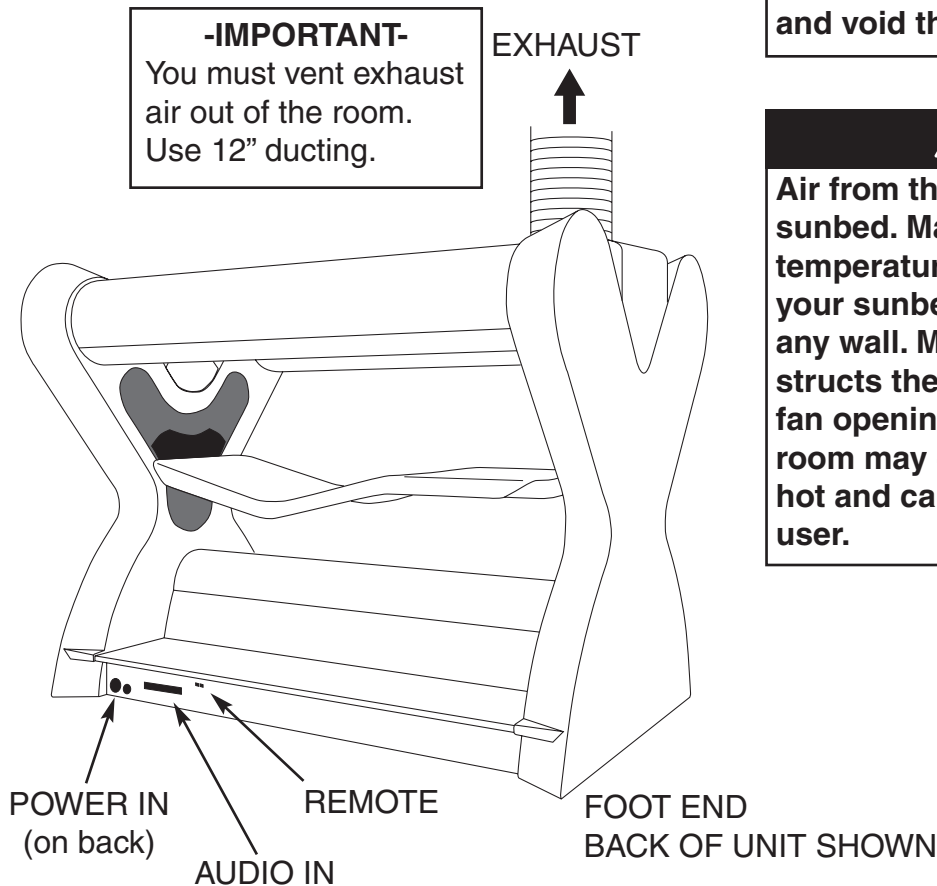
Heated exhaust air exits the unit at the foot end. Attach a 12″ duct to the exhaust stack and route the exhaust air out of the building. See diagram below.

⚠ WARNING
Shock hazard. **Disconnect power before servicing.**

⚠ WARNING
To avoid personal injury do not exceed 300 lbs (136 kg) on the body acrylic and frame. Excessive weight may cause the frame to break and fall.

⚠ CAUTION
Use of a voltage source above 230V AC may prevent proper operation of the sunbed and could cause damage and void the warranty.

⚠ CAUTION
Air from the room is used to cool the sunbed. Maximum ambient room temperature should be 80°F. Place your sunbed no closer than 6" from any wall. Make sure nothing obstructs the airflow into or out of the fan openings. A poorly ventilated room may cause the unit to become hot and cause discomfort to the user.

-IMPORTANT-
You must vent exhaust air out of the room. Use 12" ducting.

EXHAUST

POWER IN
(on back)

REMOTE

AUDIO IN

FOOT END
BACK OF UNIT SHOWN

27976-01C

4

Installation Inspection

Once the unit is installed, be sure to inspect it for any physical damages; scratches, dents, etc. Report any damages immediately to the installation crew or an ETS Service Representative at 1-800-449-3605.

Record the serial number of the unit in the space provided on the warranty page at the back of this manual. This information will be required whenever you contact an ETS Service Representative.

Keep this manual in a safe place for easy reference.

Accent Lighting

The Velocity HP1000 exhibits many exciting appearance features. When the unit sits idle, the front and back top columns, and the front of the bottom column, illuminate to showcase the graphic panels. The contoured acrylic also glows with a soft blue to make it appear more inviting. During a tanning session these accent lighting features turn off to put the focus of energy into the tanning lamps.

You will also notice the control panel glows to direct the user. The ring around the Start button blinks green. Once a session starts, the Stop button glows red to indicate how to shut the unit down. The other buttons glow blue.
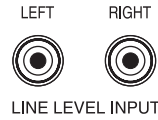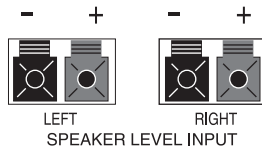
Turning the Accent Lighting Off

If you wish to turn the accent lighting off at the end of the day to conserve energy, simply press and hold the **Shoulder Off** button (see *Operation*) for a few seconds. The lighting for the graphic panels and acrylic LEDs will turn off. Press the **Shoulder Off** button again to turn the lighting back on.

NOTE: If you notice any of the accent lights flickering it may lead to the display showing an **Error 9 - "current sensed when unit is idle"**. Flickering lights may be a result of a bad lamp or improper lamp installation. Please contact a service representative at **1-800-449-3605** if you have any questions.

27976-01C

Audio Connections

FM Input
75 Ω

LEFT   RIGHT
SPEAKER LEVEL INPUT

LEFT   RIGHT
LINE LEVEL INPUT

DMX MUSIC™

N/A
PULS
GND
AUD

The Velocity HP1000 accepts 4 separate audio sources; salon stereo, DMX® salon music system, FM radio and Personal Music Input. Volume control is conveniently located on the timer control panel (see *Operation*).

Near the power cord, on the back, bottom of the unit, is the audio input panel. Each input is clearly labelled according to the type of source.

FM - Built into the audio board inside the tanning bed is an FM tuner. The bed allows reception of 5 user defined preset stations. You can set them to whatever radio stations you prefer to avoid tanners from tuning to undesirable music during their session. You must connect the included FM antenna before starting the setup to receive area radio stations.

To set the 5 presets:
1. press and hold the **Stop** button on the control panel for 5 seconds. The screen will ask if you want to enter the service screens. Press **Start** to indicate Yes.
2. Press the **Select** button repeatedly until the screen reads "Current Station: xxx.x".

```
 Current Station:   100.0

 Exit= Stop    Next = Select
```
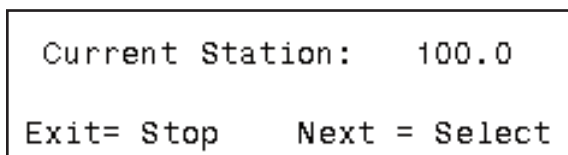
3. Use the **tune up** and **tune down** buttons to select a radio station.
4. To save a station into the presets, press any one of the **fan up**, **face up**, **source**, **volume up** and **volume down** buttons, one for each of the five preset stations.
5. Press **Stop** to exit setup mode.

Speaker Level Input and Line Level Input - The unit allows connection of an audio source into high-level, also known as Speaker Level, spring connectors, or Line Level RCA input jacks. This is ideal if you use a stereo source inside the tanning room, such as a stereo receiver or CD player. Connect the output from a stereo source (receiver, CD player, "boombox", etc.) to either of these inputs. Whenever possible, use the Line Level RCA input jacks as this will eliminate problems with volume.

If you connect the stereo through the Line Level Input, setup is complete. If using the Speaker Level Input, adjust the volume on the source unit. Once a pleasant volume level is reached, use only the timer keypad to adjust it in the future.

DMX® Salon Music Service - Refer to your DMX instructions to connect to the bed. The tanning bed designers worked closely with DMX personnel to incorporate full music control into the **Velocity HP1000**. Once connected you can change the music channels directly from the tanning bed control panel (see *Operation*).

27976-01C

6

Personal Music Input - At the head end of the bed, right below the control panel, is the Personal Music Input (PMI) which allows connection of portable music devices, such as MP3 players, iPod® devices and cell phones with MP3 capability. There is even a small cubby to hold the music players. Included with your bed are three patch cables to connect different devices to the PMI. Instructions are included with the patch cables to describe which one works for each device.

Next to the PMI is a 3.5mm (1/8") headphone jack if the tanner prefers to listen to music through headphones. All music sources will play through the headphone jack. Once a set of headphones is connected the tanning bed speakers turn off.

personal
music
input

Remote Connections

Your tanning bed incorporates advanced circuitry allowing it to connect and communicate with most remote control systems. If a remote system is to be used, first determine whether the remote system is a T-Max® System or a standard remote system operating with a control relay. Follow the appropriate instructions for your system type.

CAUTION
The remote connection is not designed to supply or accept high voltage, nor can it provide power to an external timer. The sunbed's remote inter-face circuitry operates on 5 volts, attempting to connect it to any higher voltages will damage the sunbed as well as void your warranty.

T-Max® Products

The T-Max® remote systems offer the ultimate in sunbed control, while allowing the tanner easy straightforward operation. Your sunbed is configured to directly connect to this system, including the new wireless remote system. The circuitry inside your sunbed eliminates the need for the T-Max® 1A or 3A when connecting to the T-Max® Manager series. Your sunbed supports the auto addressing feature of the latest T-Max® Manager models and many others to optimize the user experience. See *Operating Parameters* in this manual for descriptions of these parameters and how they function.

T-Max® Wireless Remote System

The T-Max® AP-900 eliminates wires in your salon, allowing easy setup without hiring an electrician to run wires. It also protects your investment from damage by isolating each unit from one another. Your sunbed arrives "wireless ready", which means it connects directly to the T-Max® wireless system. Older tanning beds, and T-Max® managers, also utilize this system but require a T-Max "Power Injector" (PI) to provide the needed power to the wireless unit.

REMOTE PORTS

WIRED REMOTE PORTS (RJ-22)   WIRELESS REMOTE PORT (RJ-11)
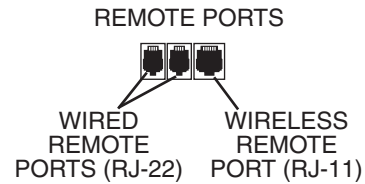
Auto Addressing with T-Max®

Your T-Max® Manager manual will explain how to get into auto address mode. Once auto address has been activated, your sunbed display will show "Auto Address Mode". Wait 10 seconds for the system to communicate properly and press the START button to accept the address.

Remote System Hook-up Scenarios

Follow the diagrams on the following pages to see the many different scenarios for hooking up your salon.

Go straight to the source with all your T-Max® brand remote questions: (417) 272-0761

Scenario 1 - T-Max® Manager Series with Complete Wireless

Connect one AP-900 (with Power Injector) to the Manager and one AP-900 to each of the tanning beds. Install as many units as you like with this configuration. Units that do not communicate with T-Max will need an AP-900 with Power Injector and an additional 3A to operate. If you have an older T-Max® Manager that doesn't support auto addressing, set the address of each sunbed manually as described in *Setting the address manually*. You can place your bed at any location in the series.

Non-T-Max incorporated units

27976-01C

8
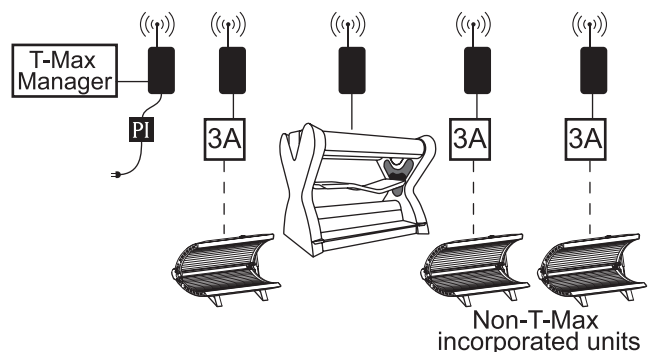
Scenario 2 - T-Max 3A with Wireless

In single sunbed installations, the T-Max® 1A and 3A can offer the same control as the T-Max® Manager, eliminating the need for a Manager. If you're using a 1A in this manner, it <u>must</u> have a chip labelled "master" installed on its circuit board. The remote control bypass plug must <u>not</u> be used in this configuration. The 3A may be used as a "master" with no modification.

After you have set the T-Max® 1A's, or 3A's, address to "0" (refer to your T-Max® user's guide) and the sunbed's address to "1", simply connect one AP-900 (with Power Injector) to the T-Max® 3A and one AP-900 to the sunbed.

NOTE: A T-Max® 1A with a "master" chip can be substituted for a 3A.
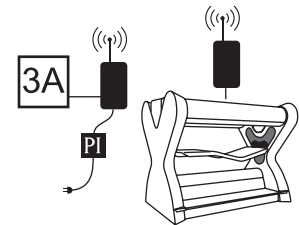
Scenario 3 - T-Max® Manager Series with Wireless combo

Connect one AP-900 (with Power Injector) to the Manager and one AP-900 to a wireless ready tanning unit. The rest of the salon may be "daisy-chained" together and connected to the wireless equipped tanning unit, eliminating the need to wire the Manager to the tanning equipment.

Non-T-Max incorporated units
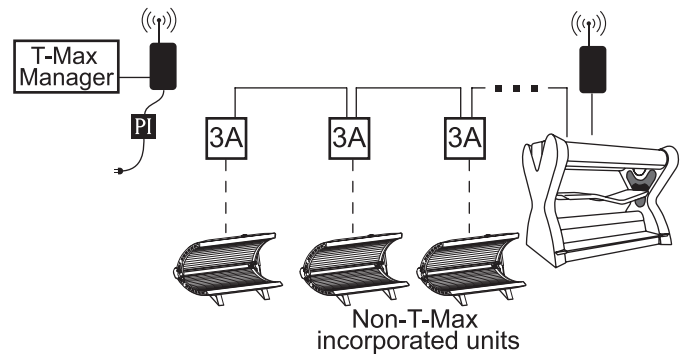
Scenario 4 - T-Max® Manager Series with Wireless combo 2

Wireless can be easily added to an existing salon already utilizing T-Max®. Connect one AP-900 (with Power Injector to the Manager and one AP-900 to each wireless ready tanning unit. The rest of the salon may be "daisy-chained" together and connected to the Manager.

Non-T-Max incorporated units
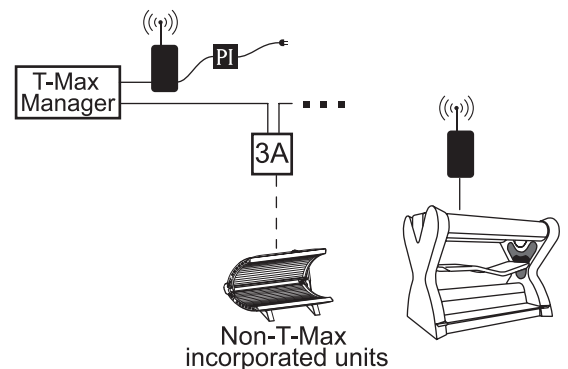
Scenario 5 - T-Max® Manager Series with wires

This system is ideal for multiple sunbed installations. Simply connect the RJ-22 modular cable(s), described in the T-Max® Manager manual, into the remote port(s) located on the back of your sunbed and follow the instructions that came with your remote system. If you have an older T-Max® Manager that does not support auto addressing, set the address of each unit manually as described in *Setting the address manually*. You can place your sunbed at any location in the series.

Non-T-Max incorporated units

27976-01C
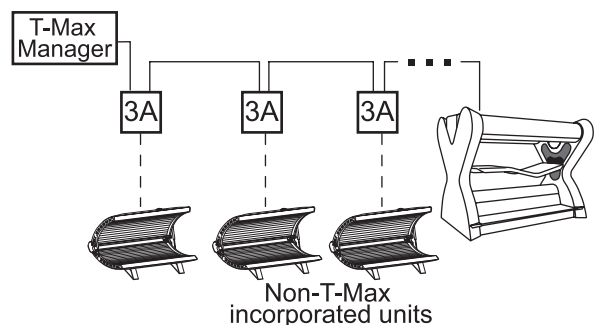
Remote Connections

Scenario 6 - Single Sunbed wired to T-Max® 3A

In single sunbed installations, the T-Max® 1A and 3A can offer the same control as the T-Max® Manager, eliminating the need for a Manager. If you're using a 1A in this manner, it <u>must</u> have a chip labelled "master" installed on its circuit board. The remote control bypass plug must <u>not</u> be used in this configuration. The 3A may be used as a "master" with no modification.

NOTE: A T-Max® 1A with a "master" chip can be substituted for a 3A.

After you have set the T-Max® 1A's, or 3A's, address to "0" (refer to your T-Max® user's guide) and the sunbed's address to "1", simply connect the RJ-22 modular cables, described in the T-Max® user's guide, directly into either of the smaller ports located on the back of the sunbed and either port on the back of the T-Max® 1A or 3A.

3A
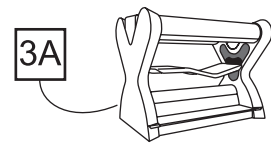
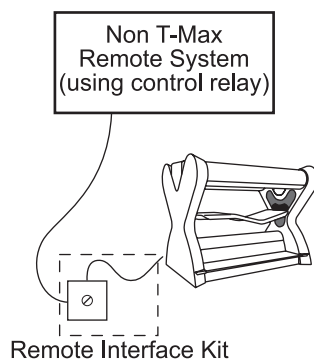## Scenario 7 - Non T-Max® Remote System wired to unit

Most non-T-Max® remote systems control the unit by the use of a relay. The relay operates the unit by connecting and disconnecting a pair of wires leading from the unit. Refer to the user's manual provided with your remote system to determine if it operates in this way. The unit will begin a full session when the remote is activated. To connect your booth to this type of system a remote interface kit is required. Contact your place of purchase to obtain the kit. Follow the instructions provided with the kit and from the remote's manual to make the necessary connections.

Non T-Max
Remote System
(using control relay)

Remote Interface Kit

CAUTION
The remote connection is not designed to supply or accept high voltage, nor can it provide power to an external timer. The booth's remote interface circuitry operates on 5 volts, attempting to connect it to any higher voltages will damage the unit as well as void your warranty.

Setting the address manually

Before connecting your sunbed to the T-Max® Manager or T-Max® 1A or 3A, the address of your bed must first be set. Set the address manually as described below.

Setting the Address

1. Make sure the sunbed is displaying the "Velocity HP1000" screen.
2. Press and hold the **Stop** button for 5 seconds. The screen will change and ask if you want to enter the service screen.
3. Press **Start** to enter setup. The next screen will display the sunbed address.
4. If you are using a T-Max® 1A or 3A as a "master" remote, the address of the booth must be set to "1". If you are using a T-Max® Manager each sunbed must be assigned a different address. To adjust the address, press the **volume** up arrow button to count up until the desired number is achieved. Press the **volume** down arrow button to count down to the desired number.
5. Press the **Stop** button to return to the normal display mode.

Before You Tan

Please note the following warnings and precautions before using your tanning bed.

- Your skin should be free of cosmetics, tanning oils, or other body lotions prior to tanning except for those specifically made for use with tanning devices. However, do not remove natural body oils by bathing or showering immediately before tanning.

- Your hair should be free of gels, mousses, sprays, or other hair products prior to tanning. These products can cause damage to the sunbed acrylic. As an alternative, a shower cap or towel can be worn to keep treated hair away from the sunbed surfaces.

- This unit intended for individual use. Only one pair of eyewear is included.

Exposure Times

Follow the guidelines for skin type and exposure times as shown in the table below. Untanned persons should not tan on consecutive days during their first week of tanning. Never tan more than once a day. Tanning normally appears after the first few sessions and maximizes after approximately four weeks. Tan once or twice per week thereafter to maintain appearance. Persons already having a base tan may begin at advanced levels corresponding to the extent of their base tan.

Tanning Position

For best results, follow all directions carefully. To obtain a uniform tan, lie down on the contoured acrylic, keeping your body, including arms and legs, in contact with the acrylic surface. Use of other positions may result in overexposure.
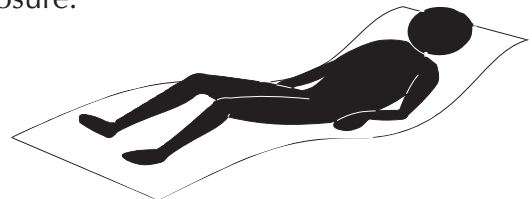
⚠ DANGER

Some medication may increase your sensitivity to ultraviolet light. It is recommended that you consult a physician before using this equipment if taking any medication or if you suspect that your skin might be especially sensitive to sunlight.

⚠ DANGER

**Shock hazard.
Do not operate this device near water or while you are wet.**

RECOMMENDED EXPOSURE TIMES IN MINUTES					
Skin Type:	Level 1/Week 1 1st-3rd sessions	Level 2	Level 3	Level 4	Level 5 Maximum
I **Sensitive** (Burns easily and severely and does not tan)	NOT RECOMMENDED				
II **Light** (Burns easily and severely and tans minimally)	3	6	9	12	15
III **Normal** (Burns moderately and tans average)	4	7	11	15	15
IV **Dark** (Burns minimally, tans easily and above average)	5	9	13	15	15
MAXIMUM EXPOSURE TIME IS 15 MINUTES					

27976-01C

Operation

A			C	
B	start		stop	

8:43 ON HI HI 3

D				H
▲ fan / fan ▼	▲ face / face ▼	source select	▲ volume / volume ▼	
on shoulder / shoulder off	F		▲ tune / tune ▼	
I	E G			J

Shoulder tanner status

Face tanner status

Body fan status

Music volume status

A start button - Turns bed on. Timer display shows remaining time.

B Timer display - Displays session status.

C stop button - Interrupts tanning session.

D Fan control - Press up or down to control the speed of the body fan.

E Face tanner control - Press up or down to control intensity of face tanners.

F Source button - Controls audio source. (Salon Stereo, DMX®, FM stereo, Personal Music Input)

G Select Button - Controls DMX® input.

H Volume control - Press up or down to control music volume.

I Shoulder tanner control - Turns shoulder tanners on and off.

J Tune control - Press up or down to select FM stereo presets (in FM source only).

(Operation as a stand-alone unit or connected to a remote system using a control relay. If using T-Max® see next page.)

Step 1 Lay on acrylic surface, face up.

Step 2 Press the "start" button (A) to begin the tanning session. The unit will turn on and the timer display (B) will show the remaining time. If a lesser time is desired, press the "start" button repeatedly until the desired time is displayed.

Step 3 When the timer reaches "0.00" the lamps will turn off. If you wish to stop your session before time expires, simply press the "stop" button (C).

Step 4 Exit the tanning unit. The cooling fans will run for a period of time after the lamps shut off to aid in cooling the unit.

⚠ WARNING

Always wear protective eyewear when unit is on. Failure to may result in severe burns or longterm injury to the eyes.

27976-01C

(Operation while connected to a T-Max® remote system. If using other remotes or no remote system, see previous page.)

Step 1 Lay on acrylic surface, face up.

Step 2 Put on your safety goggles.

Step 3 Assuming the remote system has been set to allow a pre-tanning delay time, the timer display will read "Press start when ready:" and the remaining delay time. Press the START button or wait until the delay time has expired to begin the tanning session. The unit will turn on and the timer will begin to count down.

Step 4 When the timer reaches "0.00" the lamps will turn off. If you wish to stop your session before time expires, simply press the "stop" button (C).

Step 5 Exit the tanning unit. The cooling fans will run for a period of time after the lamps shut off to aid in cooling the unit. The timer will indicate a reminder to clean the sunbed. After the sunbed is cleaned, press the START button and the display will return to the "welcome" screen.

27976-01C

Maintenance

Cleaning After Use

Clean and disinfect your tanning bed's acrylic surfaces after each use. Use a non-abrasive disinfectant cleaner that does not contain ammonia or ammonia derivatives. Ammonia may damage the acrylic shield. Spray the acrylic lightly with disinfectant and wipe dry with a clean soft cloth. We recommend Australian Gold® pH Neutral Disinfectant Cleaner.

Thorough Periodic Cleaning

Introduction

The cooling fans draw air through the bed and over time will cause a dust buildup on the lamps and reflectors. This will reduce the tanning effectiveness of the bed. When a dust buildup is observed, it is necessary to thoroughly clean the inside of the unit.

⚠ WARNING

Shock hazard.
Disconnect power before removing any protective covers.

Cleaning the Velocity HP1000

Step 1 Open the acrylic shields and blue glass panels as described on the next few pages.

Step 2 With a soft cloth, clean each lamp.

Step 3 Clean both sides of the acrylic shields with a non-ammonia disinfectant cleaner.

Step 4 Wipe the reflectors and each piece of blue glass with a clean damp cloth.

Step 5 Close the blue glass panels and acrylic shields.

Step 6 Clean or replace the air filters in the head end of the unit.

Mechanical Inspection

Your tanning bed has been built for years of service. To ensure trouble-free operation throughout its life, inspect the unit's mechanical integrity every 400-500 hours of use.

- Inspect the unit's fasteners verifying that all are firmly in place.
- Inspect the AC power cord and its connections.
- Inspect the acrylic. Broken, cracked or badly scratched acrylics should be immediately replaced.
- Inspect the body acrylic frame. If the frame shows any signs of stress it must be replaced immediately. Pay particular attention to the welded areas.

Hour Counter - Time based tasks

The Velocity HP1000 has an easy to use hour counter programmed into the timing circuits. It shows the number of hours the unit has been in operation (tanning time).

To access the hour counter, press and hold the **Stop** button for approximately 5 seconds until the screen changes. Press the **Start** button to enter the service screen. The first screen you will see is the bed address. Press the **Select** button to advance to the bed hours screen.

Below are important maintenance items that must be performed at certain times to ensure proper operation of your tanning bed. The next few pages explain how to perform these tasks.

Every 200 hours - Clean air filters

300-500 hours - Change lamps

400-500 hours - Mechanical inspection

1000-1500 hours - Change column acrylics

Main Lamps

Inside the three columns are 18 high pressure lamps. These lamps have an average life of 300-500 hours of effective tanning use. Tanning will be decreased after that time even if the lamps continue to light.

To change lamps, each column acrylic is held in place by two thumb screws (see below). Unscrew these screws and the acrylic will swing open.

The lamps simply press into their sockets. Pull a lamp from its socket and replace in a similar fashion. Be careful not to touch the lamp glass with your fingers. Finger oils may greatly reduce the life of the lamp. <u>Use a clean towel or gloves when handling high-pressure lamps.</u>

Secure the blue glass panel and the acrylic column before use by reversing the above directions.

The protective blue glass panels are held shut by two screws each (see below). Unscrew these screws and the blue glass panel will hinge open, revealing the high pressure lamps. It is unnecessary to remove the blue glass panels for any reason. Simply wipe them with a clean, damp cloth if they get dirty.

SCREW
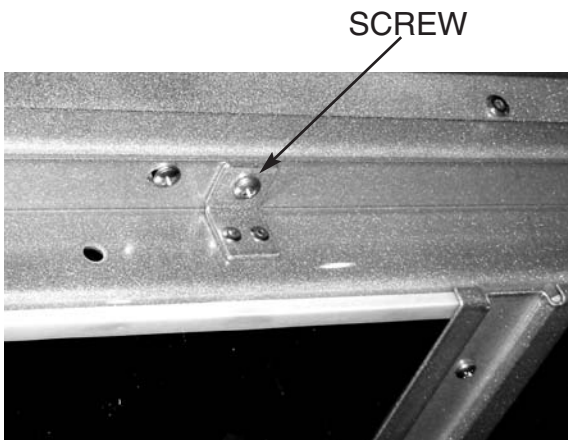
⚠ DANGER

Unfiltered light from face tanner can cause severe burns.
Never turn sunbed on while face tanner is disassembled or when glass filters are removed.
Immediately discontinue use of this equipment if face tanner glass is broken or any unfiltered light can be seen escaping face tanner assembly.

27976-01C

Maintenance

Shoulder Tanner Lamps

The shoulder tanner lamps, in the head end of the unit, are behind a protective acrylic panel. The panel is secured in place by two screws. Remove these screws and then remove the other three screws securing the honeycomb panel.

Removing the panels reveals the wiring panel, see below. Remove the thumbscrews from the metal panel and carefully pull the panel off to see the wiring.

THUMBSCREWS

Follow the two grey wires from each shoulder tanner lamp and disconnect them. One simply pulls off of a terminal block. The other connects to the ignitor with a screw-down terminal.
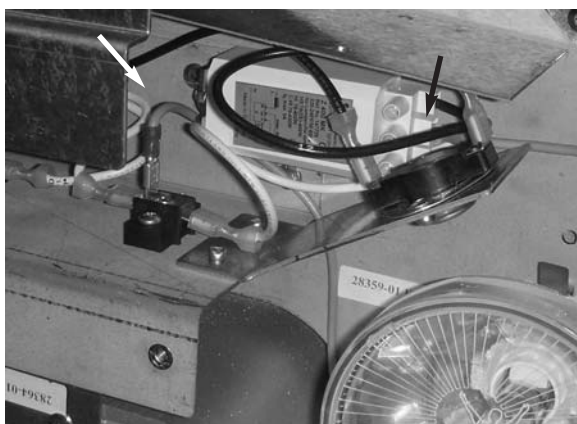

Once the wires are disconnected, press the metal clips holding the lamp to remove the entire lamp housing.

Reverse the above directions to reinstall new lamps. Be sure to check all wire connections.

27976-01C

Accent Lamps

On the front and back top lamp columns, and the front of the bottom lamp column, are two fluorescent lamps which illuminate the graphic panels. Replace these lamps as needed as described below.

Bottom panel - The bottom graphic panel is held in place by two quarter-turn latches, one on each end (see right). Using the supplied Allen (hex) wrench, turn the latches 90 to unlock.

Now simply lift the panel from the channel it sits in. Be careful not to scratch the graphic panel or the Y-towers.

Replace the panel by sitting it in the channel on the footboard, sitting it back against the stops and locking it in place.

Top graphic tubes - The top graphic tubes simply sit in channels at the front and back of each graphic. They are held in place by gravity. Carefully lift the acrylic tube from the lamp column and place aside. Next is the graphic, which is the middle layer, and a backing acrylic. Both of these pieces are thin and need to be handled carefully to avoid creases.

Replace the graphic tubes by reversing the above directions. Pay special attention to keeping the graphic and acrylics clean as dust and debris will show when the graphic is lit.

CHANNEL   LATCH

Replacing accent lamps - After opening the acrylic, grasp a lamp at one end and at the middle and turn the lamp one quarter turn. Gently remove the lamp from its holders.

Reinstall the lamp by inserting the pins located on the ends of the lamp into the slots on top of the lamp holders and turn the lamp a quarter turn. It should click in place.

This unit is equipped with electronic lamp starters.They last longer than traditional "glow tube" starters, light the lamps quicker, and reduce blackening on the ends of the lamps. It is no longer necessary to change lamp starters when changing lamps. As long as they function normally, meaning its lamp fires quickly and consistently, there is no need to change starters.

27976-01C

17

Air Filter Cleaning

The cooling fans draw air through the unit. To minimize debris on the blue glass and inside of the acrylics, air filters are installed in the head end of the unit.

Three doors on the end of the unit hold the filters. Simply unscrew the thumbscrews and the door will open. The filters lift out and may be cleaned with a vacuum, or mild soap and water if really dirty, then reused.

IMPORTANT: Behind the filter is a small switch. After cleaning the filters, flip the switch to the opposite position to reset the filter hour log in the timer.

Replace the filter if it shows signs of deterioration.

SWITCH   FILTER

THUMBSCREW
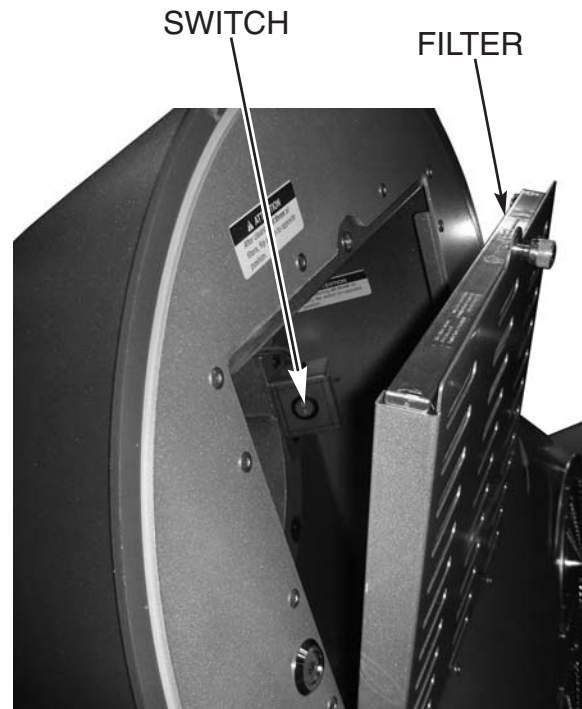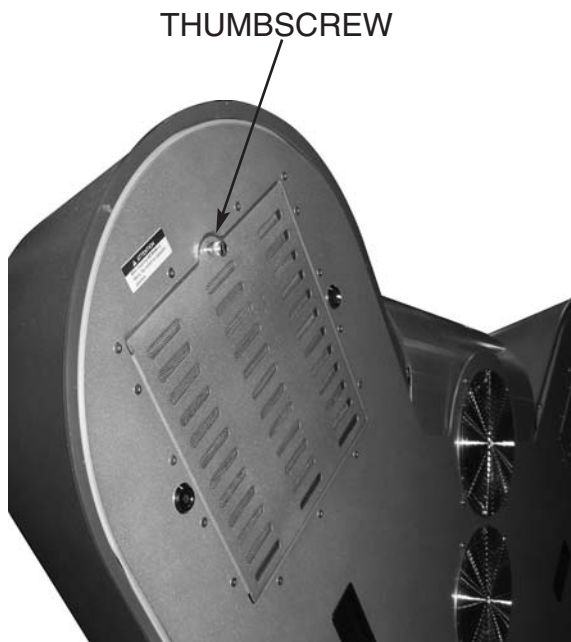
Operating Parameters

Below is an extended list of parameters which may be adjusted or viewed using the T-Max® Manager. Refer to your T-Max manual for complete instructions on how to view and adjust parameters.

Parameter	Function	Default
1	Unit Address (1-104)	1
2	Beep Mode (adjusts loudness of beeps) - 0-3	1
3	Session Delay (minutes)	1
5	Session Count (adjustable)	
6	Lamp Hours (adjustable)	
7	Bed Hours (not adjustable)	
8	Manual Sessions (counts sessions in "stand-alone" mode)	
9	Clean Bed Indicator - 0 = off, 1 = on	1
10	Manual Lockout (disable stand-alone mode) - 0 = off, 1 = on	0
13	After Session Cool-down (minutes) - 3 min. - 10 max.	5
14	Change Filter Hours - 0 min. - 500 max.	200
15	Master Session Count (not adjustable)	
16	Max. Volume - 0 min. - 9 max.	9
17	Allow User to Decrease Time - 0 = off, 1 = on	1
18	Default Session Volume (during session) - 0 min. - 9 max.	3
19	Lockout "Stand-Alone" Sessions - 0 = off, 1 = on	0
20	Enable LED effect - 0 = off, 1 = on	1
30	Audio Source at Unit Idle (1 = FM, 2 = Aux, 3 = PMI, 4 = DMX®	1
31	Enable FM - 0 = off, 1 - 28 max volume setting	5
32	Enable Auxiliary Audio Input - 0 = off, 1-28 max volume setting	3
33	Enable Personal Music Input - 0 = off, 1 - 28 max volume setting	2
34	Enable DMX Input - 0 = off, 1 -28 max volume setting	1
42	Key Beep Enable (beep every time a key is pressed) - 0 = off, 1 = on	1
43	End of Session Beep - 0 = off, 1 = on	1

27976-01C

User Settings

To enter the setup (Service) screen, hold the **Stop** button for approximately 5 seconds. The display screen will change to the following:

```
Enter Service Screen?
  START = Yes     STOP = No
```

Press the **Start** button to enter the setup mode.

At any time while in the setup mode you can simply press **Stop** to exit and return to normal operating mode.

The first screen in setup mode is shown below. You can manually set the address of the bed with the **Volume Up** and **Down** keys.

Press the **Select** button for the next screen.

```
Bed Address:            #

+ = Volume UP    - = Volume Down
 Exit = Stop      Next = Select
```

The Bed Hours are not changeable. This screen is for information only.

```
Bed Hours:            #


Exit = Stop       Next = Select
```

Lamp Hours shows you how many hours the unit has been in use since you last cleared this number. Clear these hours each time you change lamps to keep track of lamp hours.

```
Lamp Hours:           #

  To CLEAR PRESS:      VOL DN
Exit = Stop       Next = Select
```

Idle Volume is the audio volume when the bed is not in use. Use the **Volume Up** and **Down** buttons to set.

```
Idle Volume:              1

+ = Volume UP    - = Volume Down
 Exit = Stop      Next = Select
```

Max Volume allows you to set the maximum volume of the audio if full volume is too high for your salon.

```
Max Volume:               9

+ = Volume UP    - = Volume Down
 Exit = Stop      Next = Select
```

Current Station is the default FM radio station when the bed is idle (if FM is enabled). Follow the instructions on the *Audio Connections* page to set the station presets.

Use the **Tune Up** and **Down** buttons to change the station

```
Current Station:        89.5


Exit = Stop       Next = Select
```

The last screen shows the last 10 error messages the bed has displayed. It shows the error number, the number of hours on the bed when it occurred, the memory location (0-9) and the error message.

Press the **Volume Up** and **Down** buttons to scroll through the messages.

```
Error   0  @ 00000 Hours   -0
Error message here
```

Troubleshooting

Problem	*Cause*	*Solution*
Sunbed not tanning	1. Sunbed dirty 2. Low voltage 3. Lamps old 4. Acrylics scratched	1. Clean bed, see *Thorough Periodic Cleaning*. 2. Ensure supply voltage is between 208 and 230V AC. 3. Replace lamps if lamp hours are greater than 500hrs. 4. Replace acrylics.
Lamps fail to light and timer display is blank	1. Power disconnected 2. Circuit breaker tripped	1. Make sure the unit is connected to a power source. 2. Check source of AC power. Reset circuit breaker or replace fuse.
One or more lamps fail to light	1. Lamp loose 2. Lamp burnt out	1. Check that lamp is installed correctly. 2. Switch unlit lamp with a lamp that lights, if new lamp lights and old lamp still does not, replace old lamp.
Bed getting too hot	1. Salon too hot 3. Air filters clogged 4. Voltage too high	2. Ambient temperature of salon room must be below 80° at all times. 3. Check air filters. Clean if dirty. 4. Input voltage, with unit running, must be less than 230VAC.
The face tanners will not turn on	1. Face tanners were turned off 2. Lamp burnt out	1. Face tanners will not relight for 60 seconds after being shut off. 2. Replace face tanner lamp.
Bed is off but body fans are still running	"Clean Bed" indicator on screen	After cleaning the bed after a session, be sure to press the Start button to clear the "Clean Bed" indicator.
I forgot what address I set my sunbed to (parameter 1)		By holding the body fan down button for 3 seconds the timer display will briefly display four numbers; the display version, the installed timer software version, the bed address and then a factory set timer code.
Timer display changes to indicate a tanning time after the timer button is pressed but lamps do not come on	1. Bypass plug is not installed 2. External timer not activated 3. Remote wiring is incorrect	1. Bypass plug must be used when unit not connected to remote system, see *Remote Connections*. 2. If remote is being used, other than T-Max® Manager, the external timer may not be activated. 3. See the instructions provided with the remote interface kit.
My bed is connected to the T-Max® Manager remote system and when the delay time has expired the timer display starts counting down but the bed lights do not come on	The auto start feature of the remote system is disabled	See the instructions provided with your remote system.
My bed won't work with the T-Max® Manager remote system	1. Bed address not set 2. Bypass plug installed	1. The sunbed must first be set to a unique address, see *Remote Connections*. 2. The bypass or terminator plug should not be used when connected the T-Max® remote system.

27976-01C

Troubleshooting

Problem	*Cause*	*Solution*
I frequently disconnect my sunbeds from the T-Max® chain and interrupt the rest of the units		A T-Max® Inline 4-Pin Connector is available from ETS which connects the chain without a sunbed.
Timer display continues to show the "welcome" screen after the timer button is pressed	1. T-Max® Manager remote system has not yet been set 2. Sunbed address is not set correctly	1. Set the remote system to send a session to the bed. See your T-Max® manual. 2. See *Remote Connections*.
My bed is connected to a T-Max® remote system but I am having trouble accessing parameter 1	You have probably attempted to connect your sunbed to the remote system already	Disconnect the remote plug(s) from the ports on the back of the bed, wait 90 seconds and try again.
My bed, connected to a T-Max® Manager, did not display a delay time but does indicate:		
the "welcome" screen	1. Remote device has not been set 2. Remote system not connected	1. Set the remote system to send a session to the bed. See your T-Max® manual. 2. See *Remote Connections*.
a tanning time and the lamps have come on	1. Delay time not set 2. Delay has expired	1. Set the delay time on your T-Max® Manager. 2. Delay time has expired and session has begun.
a tanning time but the lamps have not come on	Auto start function of T-Max® Manager has been turned off	Press the timer button to turn on lamps.
When auto-addressing the first bed does not register an address		When using the auto address feature of the T-Max® Manager you must wait 10 seconds from the time you start the auto address function before addressing the first bed.
When using a T-Max® 1A my sunbed won't function properly	Bypass plugs may be needed	SunStar® Bypass plugs or terminator plugs may be needed if the T-Max® 1A and the sunbed are over 100 feet apart. Install the plugs in the open remote port in the sunbed and the T-Max® 1A.
My salon suffers frequent, short power outages and clients complain about losing session time		If you have a T-Max® Manager, changing parameter 23 from "0" to "1" will allow the tanning bed to remember how much time was left when power goes out and resume its session after power is restored. Consult your T-Max® Manager manual for information on setting parameters.

Troubleshooting

Problem	Cause	Solution
Display shows **Error 1**	Blue filter glass broken in top, front column (C)	Replace broken filter glass immediately.
Display shows **Error 2**	Blue filter glass broken in top, back column (B)	Replace broken filter glass immediately.
Display shows **Error 3**	Blue filter glass broken in bottom column (A)	Replace broken filter glass immediately.
Display shows **Error 4**	Airflow insufficient in top, front column	1. Check air filters and clean if necessary. 2. Check for any obstructions in columns.
Display shows **Error 5**	Airflow insufficient in top, back column	1. Check air filters and clean if necessary. 2. Check for any obstructions in columns.
Display shows **Error 6**	Airflow insufficient in bottom column	1. Check air filters and clean if necessary. 2. Check for any obstructions in columns.
Display shows **Error 7**	Air flow sensor closed when it should be open	1. Check airflow sensors for damage or obstructions. 2. Replace airflow sensor
Display shows **Error 8**	I/O board 1 sensed current when bed was idle	Contact a servicer.
Display shows **Error 9**	I/O board 2 sensed current when bed was idle	Contact a servicer
Display shows **Error 10**	Unit off when it should be on	Contact a servicer
Display shows **Error 11**	Internal comm. error	Press **Stop** button to clear. Contact service if problem persists
Display shows **Error 12**	Filter switch needs to be flipped	See "Air Filter Cleaning" in *Maintenance*.
Display shows **Error 13**	Temperature too high in top, front column	1. Check air filters and clean if necessary. 2. Check for any obstructions in columns.
Display shows **Error 14**	Temperature too high in top, back column	1. Check air filters and clean if necessary. 2. Check for any obstructions in columns.
Display shows **Error 15**	Temperature too high in bottom column head-end	1. Check air filters and clean if necessary. 2. Check for any obstructions in columns.
Display shows **Error 16**	Temperature too high in bottom column foot-end	1. Check air filters and clean if necessary. 2. Check for any obstructions in columns.
Display shows **Error 17**	Temperature too high in front component tray	1. Check air filters and clean if necessary. 2. Allow bed to cool down before another use.

Maintenance Schedule

What to do	WHEN			
	After each use	Monthly	300-500hrs	1000-1500hrs
A. Clean/Disinfect Acrylic Surfaces	✓			
B. Clean Lamps*		✓		
C. Clean Reflectors*		✓		
D. Clean Exterior		✓		
E. Check/Clean Filters*		✓		
F. Change Lamps*			✓	
H. Mechanical Inspection*			✓	
I. Check Power Cords			✓	
J. Change Column Acrylics*				✓

  * See *Maintenance*

MAINTENANCE LOG					
What	When	What	When	What	When
example B C D E	4/15/07				

27976-01C

48 MONTH "GOLD MEDAL" WARRANTY

Your ETS Distributor (including **ETS, LLC** if purchased directly), through a manufacturer's warranty, warrants your tanning unit to be free of structural defects in material and workmanship, under normal use, for its lifetime. Your ETS Distributor will, at its discretion, repair any structural defect which materially affects the performance of the tanning unit, or replace the tanning unit.

For forty-eight (48) months following the purchase date of your tanning unit, your ETS Distributor will provide replacements for parts that prove to be defective in material or workmanship, with the following exceptions: gas springs, ballasts and electronic lamp starters are warranted against manufacturer's defects for a period of one (1) year; "glow tube" lamp starters and cracked or broken endcaps are warranted against manufacturer's defects for a period of ninety (90) days; fluorescent lamps are warranted against manufacturer's defects for a period of thirty (30) days; acrylics are warranted against manufacturer's defects for a period of one (1) year (prorated) following the purchase date of your tanning unit. Shipping charges will be covered during the first ninety (90) days following the purchase date.

Your ETS Distributor (including **ETS, LLC** if purchased directly), also extends to you a two (2) year parts warranty on all T-Max® remote system components. External voltage transformers (buck-boosters) are covered by a one (1) year parts and labor warranty, provided you send back the defective transformer.

Labor costs associated with repair or replacement work covered by this warranty will be reimbursed for repair or replacement work required to be performed for a period of ninety (90) days following the shipping date of your tanning unit. Normal wear and tear, damage from misuse or abuse, damage incurred in transit or damages resulting from unauthorized repairs or modifications are not covered by this warranty. Warranty coverage does not include cosmetic abnormalities such as scratches, nicks, dents, or other cosmetic changes that do not materially interfere with the function of the tanning unit.

THIS 48 MONTH "GOLD MEDAL" WARRANTY IS EXPRESSLY MADE IN LIEU OF ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, WHICH ARE HEREBY DISCLAIMED. No one has the authority to change or modify this 48 Month "Gold Medal" Warranty in any respect. To obtain service under this 48 Month "Gold Medal" Warranty, contact your authorized ETS Distributor (or **ETS, LLC** if purchased directly). Proof of purchase, including serial number, is required.

IN NO EVENT SHALL YOUR DISTRIBUTOR OR THE MANUFACTURER BE LIABLE AT LAW OR IN EQUITY FOR ANY LOSS, LIABILITY, DAMAGE OR EXPENSE IN AN AMOUNT IN EXCESS OF THE PURCHASE PRICE RECEIVED, OR FOR LOSS OF USE OR PROFITS, LOSS OF TIME, INCONVENIENCE, RENTAL OR SUBSTITUTE PRODUCTS, LOSS OF BUSINESS, LOSS OF INCOME, OR ANY OTHER INCIDENTAL, INDIRECT, SPECIAL OR CONSEQUENTIAL DAMAGES. Some states do not allow the exclusion or limitation of incidental or consequential damages, and the above limitation or exclusion will not apply to residents of some states. This 48 Month "Gold Medal" Warranty gives you specific, legal rights and you may have other rights which may vary from state to state.

All warranty service must be performed by an authorized service person using only ETS authorized replacement parts. Use of non-authorized parts may void your warranty. All labor charges must be authorized by your ETS Distributor prior to the start of repairs and must not exceed the established rates and time allotment policies established by your ETS Distributor. If your tanning unit must be returned for service within thirty (30) days from the purchase date, freight charges will be paid for by your ETS Distributor, after which all freight charges shall be at your expense. Contact your ETS Distributor for the authorized Service Center nearest you. This warranty is serial number specific and only applies to tanning units purchased through an authorized ETS Distributor. This warranty is extended to the individual or legal entity whose name appears on the original sales document and may not be transferred to any other individual or legal entity. This warranty is void if the tanning unit is modified in any manner from its original design.

To obtain warranty service, contact your place of purchase. Proof of purchase, including serial number, is required for verification. Contact ETS, LLC <u>only</u> if you purchased your equipment directly.

Record this information for ease of service:

Date of purchase: _____

Serial number:_____

ets tan

your partner in tanning™