



# **OFFICE STATION USER MANUAL**

MMR TECHNOLOGIES, INC. VOLUME 2, ISSUE 1

# **STARTUP / SHUTDOWN REFERENCE**

### **NEVER TURN OFF UNIT WITHOUT FOLLOWING THE BELOW PROCEEDURE!**

**SHUTDOWN:** To prevent damage to the system, place the system in "STANDBY" 11. Remove any liquid nitrogen from the Liquefier by pressing "DISPENSE" or "TRANSFER" (depending on the model). See page 6.

After approximately 15 minutes power off the unit, using the power switch at the rear.

**STARTUP:** Power on the system. Place the system in "RUN" 11. Ensure a defrost starts automatically. If not, press the "DEFROST" button 8. The system will begin to produce in approximately 2 hours.

#### **NOTES:**

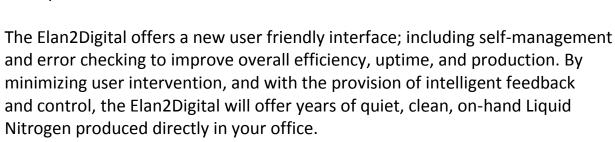
- **1.** We recommend that the system is not powered off often. Frequent cycling can shorten the life of your Elan2 Generator.
- 2. We recommend that you press "DISPENSE" before leaving every day (especially before a weekend or holiday) to empty the internal Dewar. Once you dispense any remaining LN2, push the "DEFROST" button, the system will go into a 90 minute defrost and then automatically go into Standby mode and will not produce any LN2. When you return switch the system back to "RUN", it will go into an automatic defrost, simply press the "DEFROST" button to bypass this. The system will start producing.

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### INTRODUCTION

**WELCOME:** Congratulations on your purchase of the world's smallest office Liquid Nitrogen Generator, the Elan2Digital. Being the latest generation of award winning Liquid Nitrogen generators offered by MMR, the Elan2Digital boasts increased production rates, a smaller foot print, quieter operation, and a digital microprocessor.





**INTENDED USE:** The Elan2Digital systems are intended for indoor use only, for the production of Liquid Nitrogen. Because the Liquid Nitrogen generated does not get handled by complex industrial processes or trucks, it is extremely clean. This makes it an ideal solution for research applications, clean rooms, tissue biological sample preservation, or clinical cryosurgical applications.

**PRODUCT OVERVIEW:** The Elan2Digital produces Liquid Nitrogen straight from the air direct to the user in their office. This is made possible by advanced Nitrogen separation and closed-cycle Kleemenko cooler technology. When put together a production rate of 1Liter every 3-4 hours of high purity, clean Liquid Nitrogen is possible. The new built in self-management system provides peace of mind that the Elan2Digital is always performing at its peak, and Liquid Nitrogen is always available on-demand and on-time.

The system is comprised of:

- Elan2Digital Liquefier
- Whisper Air Compressor





### **SAFETY**

**LIQUID NITROGEN SAFETY:** These Liquid Nitrogen generators have been designed with the highest level of user safety in mind. They are also designed to minimize direct handling of Liquid Nitrogen by the user. However care must be taken to ensure no contact is made with the cryogenic fluid during Liquid Nitrogen removal from a leak or splash.

**HANDLING:** Never allow any unprotected part of the body to touch un-insulated pipes or vessels which contain cryogenic fluids. The extremely cold fluid can cause severe burns if even momentary contact with human skin is made. Always wear adequate eye protection and gloves when handling cryogens.

**CONTAINMENT:** Never carry Liquid Nitrogen in a vessel not properly suited for Cryogenic Fluids. MMR assumes no liability for injuries caused through improper handling or use of the provided Cryogen Storage Vessels (Dewars). MMR has thoroughly tested and approved the following Cryogenic Storage Vessels (Dewars) for use with this system:

- Brymill CRY-AC Series for cryosurgery
- MVE Dewars from PrincetonCryo

### **RISK OF EXPLOSION!**

NEVER CAP OR SEAL A STORAGE VESSEL (DEWAR) FOR LIQUID NITROGEN THAT DOES NOT HAVE ADEQUATE VENTILATION HOLES OR A PRESSURE RELIEF DEVICE.

**SPECIFICATIONS:** Liquid Nitrogen is a colorless, extremely cold liquid and gas (-198°C). It can cause rapid suffocation when concentrations are sufficient to reduce oxygen levels below 19.5%. Contact with liquid or cold vapors can cause severe frostbite. Cold vapors in the air will appear as a white fog due to condensation of moisture. While this may indicate the presence of the gas it should not be used to determine its concentration in the atmosphere. Oxygen concentrations must be monitored in the release area. All cryogenic liquids produce large volumes of gas when they vaporize. One volume of Liquid Nitrogen will expand to produce 696.5 equivalent volumes of gas.

MSDS-OSHA: Not established

**ACGIH:** Simple Asphyxiate

**CAS NUMBER:** 7727-37-9



# **LOCATION RECOMMENDATIONS**

**CHOOSING A LOCATION:** To ensure optimal operation and ongoing performance of the system, the following guidelines must be met:

- Room temperature should not exceed 72°F
- Well ventilated
- The room should be free of dust and exhaust from other instrumentation
- The room should be of low humidity (<40% Relative Humidity)</li>
- A stable dedicated power source (extension cords should be avoided)



#### **HANDLING:**

- Never tilt, tip, or lay the system down. Never move or JAR the unit when running
- Never power down the system immediately (run in "STANDBY" for 15 minutes first)
- Never block or obstruct the vents; doing so will overheat the system and in some cases cause permanent damage. Temperature recording devices have been implemented for warranty purposes

# **GETTING STARTED**

**CONTENTS:** Please ensure the following items are present:



AIR COMPRESSOR



**COMPRESSOR POWER CORD** 



**COMPRESSOR DATA CABLE** 



**LIQUEFIER** 

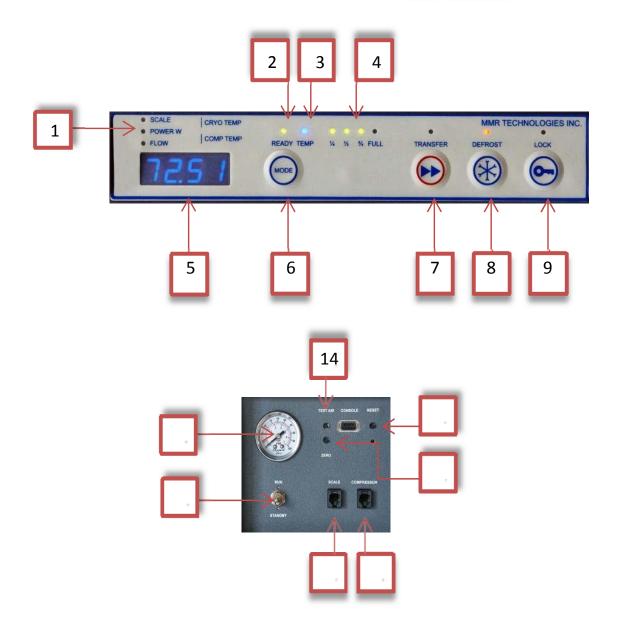


LIQUEFIER POWER CORD



**6FT TEFLON AIR HOSE** 

# **GETTING STARTED**



- 1. Sensor Values
- 2. Ready for Dispense
- 3. Temperature LED
- 4. Liquefier Internal Level Indicators
- 5. Main Display
- **6.** Toggle Sensor Values
- 7. Dispense Internal Contents to Dewar
- 8. Start a Defrost (hold 3 seconds)
- 9. Lock Button (hold 3 seconds to lock)
- 10.Pressure Gauge

- 11. Standby / Run Switch
- **12.** Data Link to Air Compressor
- 13. Soft Reset System
- 14. Test Air Pressure (push and hold)
- 15. Dewar Shelf

## **QUICK SETUP**

### **CONNECTING THE AIR COMPRESSOR TO THE LIQUEFIER:**

- 1. Connect Air Hose from Air Compressor to Liquefier; hand tighten only
- 2. Connect Air Compressor Data Cable from the Air Compressor to the Liquefier
- 3. Connect both Power Cables from Air Compressor and Liquefier to suitable wall outlets
- 4. Turn on Air Compressor and Liquefier
- 5. Switch the device to "RUN" 11

**SETTING THE CLOCK (IF NECESSARY):** The clock is factory set, and is displayed when the unit powers up, followed by the day. Press "RESET" 13 to view the clock at any time. *See page 8* if the time or date are incorrect. The clock is used for automatic maintenance, which takes place at 9pm every Saturday night.

**TESTING THE AIR SUPPLY:** With the unit running, press and hold the "Test Air Pressure" button 14 on the rear of the unit. Over a period of 30 seconds, the "Pressure" 10 should rise to a minimum of 90PSI. if it doesn't reach 90PSI, check the Air Hose connections for leaks.

**DEFROST:** Each time the unit starts up following installation, a power failure, or resetting of the unit, a 90 minute defrost is commenced. This can be cancelled at any time by pressing the "DEFROST" button on the front panel. Subsequent defrosts can be started if required by pressing and holding the "DEFROST" button for 2-3 seconds.

**VIEWING SENSOR VALUES:** When the system is not defrosting pressing the "MODE" button 6 will toggle the sensor value as indicated by the lights 1.

**COOLDOWN:** Once defrosting has completed, the refrigeration system will become active and will begin to cool down the Liquefier. This can be monitored by watching the "Cryo Temp". *See Viewing Sensor Values*. When the temperature has reached 77K, cool down is complete and production will begin. This should take about 30 minutes.

LOCKING AND UNLOCKING: The "LOCK" feature 9 is a security device to stop unwanted dispensing. If the system is unlocked and the Dewar is in place, dispensing is enabled indicated by the "Ready" light 2. To unlock the Liquefier, first hold down the "LOCK" button 9. While holding the "LOCK" button, press and hold the "MODE" button 6 simultaneously until the LOCK light goes out. To relock, simply hold the "LOCK" button 9 until the LOCK light comes on. Note: When locked, the system will produce internally and stay in the Dewar; it will maintain a full level in the Liquefier until the device is unlocked. Unlocking can only take place in normal operation.

# **FRONT DISPLAY OPERATION**

**LIQUEFIER TEMPERATURE:** The Liquefier temperature is shown either by selecting the "Cryo Temp" sensor value or by viewing the Temperature Light  $\boxed{3}$ . When the temperature is greater than 77K production is not possible.

Flashing Red: Temperature is greater than 200K Solid Red: Temperature is greater than 100K Solid Blue: Temperature is less than 100K

LIQUEFIER LEVEL AND DISPENSES: The four Liquefier Internal Level Indicator lights 4 show the internal level of the liquefier. If no dispenses are made the system will enter standby mode. Dispenses can be made into the portable Dewar at any time by pressing and holding the "Dispense" button 7. During dispensing is the "Dispense" button is released or the Dewar removed the liquefier is capable of holding 1.2 liters of Liquid Nitrogen, when empties 4 hours will be necessary before it is completely full again. Flashing sequential lights indicate the unit is in STANDBY 11.

**SETTING THE CLOCK:** Each time the unit starts up after a power failure or the "RESET" button 15 is being pressed, the time is displayed followed by the day. The day is designated by a number (SUN=1, MON=2, TUES=3, WED=4, THURS=5, FRI=6, SAT=7). To set the clock, press and hold the "MODE" button 6 and "TRASNFER" button 7 together, then press but do not hold "RESET" 15. Continue to hold "MODE" and "TRANSFER" buttons until LLC is displayed (this may take some practice). The time and date will be displayed continuously. To set the time, press "MODE" 6. To exit setting the time press "RESET" 15.

- To increment, press the "TRASNFER" button 7. Once the correct hour is displayed, (24hr time) press "MODE" 6 to set the minute.
- To increment, press the "TRANSFER" button 7. Once the correct minute is displayed, press "MODE" 6 to set the day.
- To increment, press the "TRASNFER" button 7. Once the correct day is displayed, press "MODE" 6 to save the new time and date.

  The unit will now restart.

## LIQUID NITROGEN REMOVAL

**DEWAR FILLING:** Carry out the following procedure to remove Liquid Nitrogen.



# STOP! BEFORE PROCEEDING ENSURE PROPER EYE AND HAND PROTECTION IS WORN!

**DEWAR PLACEMENT:** Place the Dewar provided with the system on the Dewar Shelf 15, note the "Dewar Present" light on the shelf must change to green. Improper alignment may cause the system not to recognize the Dewar and Dispensing will be disallowed.

**DISPENSING:** If the system is locked, unlock it now by carrying out the procedure on page 7. Press and hold the "Dispense" button 7. Liquid Nitrogen will begin to fill the Dewar. Ensure the "Dispense" button is released before the Dewar is completely full to avoid overflowing or splashing.

**AVOID SPILLS:** Always check the surrounding area when carrying an open vessel of Liquid Nitrogen; contact with other people can cause serious injury. Use proper care when handling or transporting the removed Liquid Nitrogen, MMR cannot be held liable for accidents.



### **MAINTENANCE AND CARE**



**FILTER REPLACEMENT:** The Elan2Digital is essentially maintenance free and will carry on with minimal user intervention. However, to ensure the ongoing performance, monthly inspection and replacement of the rear filter is necessary, and the frequency of checks will depend on the cleanliness of the environment. *Note: Filter replacement can be carried out with the system running.* 



- 1. Loosen the silver screw holding the filter cover in place
- 2. Partially open the cover outwards (there is no need to remove the cover)
- 3. Remove the dirty filter and replace
- 4. If the filter is clean, then decrease inspection frequency

Note: Contact MMR for a replacement box of filters when necessary.

**ENVIRONMENT CHECK:** Always check the surrounding environment for clutter or debris that could potentially block or obstruct the ventilation of the system. Ensure Cables are securely fastened and that the Air Hose is free from leaks and kinks. Ensure the temperature of the room is not too hot and humidity is not too high.

### **TROUBLESHOOTING**

**ERROR STATE:** When an Error condition is encountered a code is displayed and the system is shutdown to prevent damage, the cooling fans and air compressor will remain on. While the systems have been designed and calibrated to prevent false alarms this will happen occasionally when certain monitored parameters such as temperature or humidity go out of range sporadically / momentarily.

**ERROR CODES:** The list of possible Error codes and actions.

Low Production Time-out Error. Three (3) consecutive attempts and defrosts have been made to produce within a given time (5.5hrs) have failed.

**Action: Contact MMR.** 

ER.D Hardware Failure – Flow Sensor Error.

**Action: Contact MMR.** 

**ER.02** High Humidity Error.

Action: Check room humidity and temperature. Service Air Compressor.

ER. 13 Hardware Failure – Liquefier Level Sensor Error.

**Action: Contact MMR.** 

ER.04 High Power Consumption (>1500W).

Action: Leave unit in STANDBY for 24 hours, resume with a DEFROST.

**Contact MMR.** 

ER.05 Low Air Pressure Error (<60PSI for 30 seconds).

Action: Check Air Hose for leaks. Service Air Compressor.

ER.06 Cool Down Time-out Error. Three (3) consecutive attempts and defrosts have

been made to cool down within a given time (2.5hrs) have failed.

**Action: Contact MMR.** 

**ER.** Compressor High Temperature Error (>90C°).

Action: Check for adequate ventilation, check room temperature, replace rear

filter, check for vent obstruction. (See Maintenance and Care).

**ACKNOWLEDGE AND RESTART:** Press and hold "TRASNFER" 7 and "LOCK" 9 buttons simultaneously until the unit restarts. As a precaution, a 90 minute defrost will begin.

# **SUPPORT**



Help Desk Email:support@elan2.comSales & Marketing Email:sales@elan2.comHelp Desk Phone:+1 (650) 962-9620

**Office Hours:** 7:30am – 3:00pm PST

(Monday – Friday)

**Address:** MMR Technologies, Inc.

41 Daggett Dr.

San Jose, CA 95134, USA

**SPARE PARTS:** Contact our sales department at MMR for sales assistance. The following parts are available for immediate purchase.

DESCRIPTION	MMR PART #
6 Foot Air Hose	1130456-006
6 Foot Air Compressor Data Cable	1592230-001
Air Compressor 10A US Power Cable	1592160-002
Liquefier 20A US Power Cable	1530021-001
Replacement 12-Pack of Filters	1130041-001
MVE 20L Dewar	1030270-003
1L Office Dewar	1230024-001
Brymill CRY-AC Series Sprayer	5130315-005
Brymill Dewar Withdrawal Tube	5092306-001
Replacement Transfer Hose	1230735-001

### **DATASHEET & ELECTRICAL**

**Voltage:** 115V 60Hz, Single Phase

**Power Consumption (RUN):** ~950W **Power Consumption (STANDBY):** 10W

Noise dB (RUN): ~65dB (1 meter)

Noise dB (STANDBY): Quiet

**Air Source:** 90-120PSI (-55C°/ 6ppm Dew Point)

**Liquid Nitrogen Production:** Up to 8Liters per day

(depending on environment)

**Liquid Nitrogen Purity:** N2 99%

Residual O2 / Argon 0.4%

**Liquefier Weight:** 72.2 lbs (32.8kgs)

**Liquefier Dimensions:** 13(L) x 13(W) x 32(H) inches

Air Compressor Weight: 45 lbs (26.1kgs)

Air Compressor Dimensions:  $17(L) \times 17(W) \times 15(H)$  inches

**ELECTRICAL:** This product is intended for indoor use only and must be connected to a proper source of power as designated by the label at the rear of the system. Use only the cables supplied with the device and ensure a proper Ground is present. Irregular / unstable power may lead to hardware damage. Use of equipment other than specifically intended may result in permanent damage to the system, or impairment of the safety devices.

### RISK OF ELECTRIC SHOCK IF OPENED OR SYSTEM IMPROPERLY GROUNDED.



**REFRIGERANT:** The core refrigeration system of the Elan2D Liquefier contains a multi-component proprietary refrigerant mix, allowing Liquid Nitrogen temperatures to be possible. Although some individual components in the mixture are flammable the overall mixture is considered inert.



**DISPOSAL:** Under US EPA and International Laws governing the safe handling and disposal of refrigerants the contents of the system must be recovered by a qualified refrigeration technician in accordance with local environmental regulations.

### **WARRANTY**

**OVERVEIW:** MMR Technologies recognizes the critical nature of our customer's requirement for Liquid Nitrogen for research applications, tissue and biological sample preservation, or clinical applications. We are committed to providing the highest-quality tools that yield maximum reliability and performance. That is why every Elan2Digital Liquid Nitrogen Generator system includes a standard Two Year Warranty Agreement with:

- Access to MMR Technologies' Technical Support through phone or email
- Planned Maintenance
- Parts and Labor

For more information on the specifics of the Limited Warranty Agreement, please contact sales@elan2.com, or visit our website www.elan2.com and download a copy of the Agreement.

In addition to the Two Year Limited Warranty, MMR Technologies offers Extended Warranty Agreements that enable you to select the best plan to fit your needs, ensuring maximum protection for your investment.

**WARRANTY LIMITATIONS:** Improper handling or use of the system along with unauthorized interference can void the warranty, such as:

- Improper handling (tipping or dropping the system)
- Using the system in a way not designated in this manual
- Using the system in an environment outside of the specifications listed
- Connecting the system to the incorrect power supply
- Unauthorized opening of the system chassis
- Modifying the system or tampering with the safety devices
- Failing to maintain the air filter
- Water ingress damage
- Using the system in a country not approved by MMR

**SYSTEM SAFEGUARDS:** These systems have been designed with self-protection and maintenance safeguards. Should the system encounter a condition that could potentially cause permanent damage the system will shut down and output an error code. These error codes are permanently recorded along with maximum temperatures inside the system. While these electronic safeguards are designed to improve the longevity of the units they should not be relied on solely. The user must take full care in ensuring a proper working environment at all times.

For further information on warranty or purchasing an extended warranty, contact sales@mmr-tech.com.

### **GLOSSARY TERMS**

**AIR PRESSURE:** The pressure coming from the Air Compressor (90-100PSI; 120PSI max).

**CRYOGEN:** A substance used to produce very low temperatures.

**CRYOGEN STORAGE VESSELS:** Referred to as a Dewar or Flask.

CRYO TEMP: The temperature inside the Liquefier expressed in Kelvin units (77K when cold).

**COMP TEMP:** The temperature of the Refrigeration Compressor Casing expressed in degrees Celsius.

CONSOLE: A Serial Interface, system telemetry is outputted every 10 seconds. 9600,8,N,1

**DEFROST:** A 90 minute timed process in which the system warms up and evaporates moisture.

**DEWAR:** A containment vessel for cryogenic fluids.

**DISPENSE:** The process in which LN2 is transferred to the user.

**FLOW:** The measured flow od N2 gas traveling through the Liquefier indicating normal operation.

**LIQUEFIER:** The part making up the Elan2Digital responsible for converting a gas into a liquid.

LN2: Abbreviation for Liquid Nitrogen.

**LOCK:** The system will produce internally until FULL but external transfers will be prohibited.

**N2:** Abbreviation for Nitrogen Gas.

**POWER CONSUMPTION:** The power (Watts) consumed by the Liquefier during operation.

**PSA:** Pressure Swing Absorber, the part responsible for drying the air to very low levels.

**REFRIGERANT:** A substance within the closed cycle refrigeration system used for cooling.

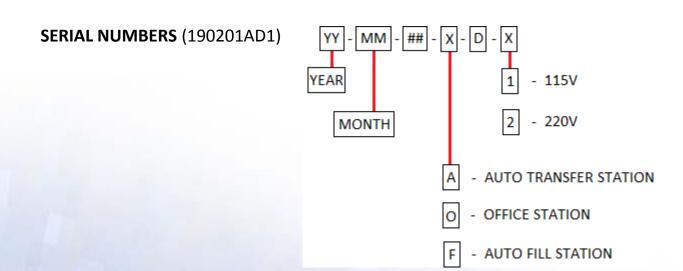
**RUN:** Normal operation.

**SCALE:** An external scale for indicating storage Dewar contents.

**STANDBY:** The system will remain at room temperature and not produce. The fans an Air Compressor will shut off after 15mins. Pressing the "DEFROST" button will keep Air Compressor on.

TRANSFER: The process in which LN2 is transferred from the Liquefier external Dewar.

**USER INTERFACE:** The front control panel containing the function buttons and display.



## **END USER AGREEMENT**

#### 1. **DEFINITIONS**

"Start Date" means the date from which the Licensed Product was shipped.

"MMR" means MMR Technologies, Inc. and its subsidiaries, or, as the context so applied, any of them.

**"Documentation"** means any documentation provided to you by us (whether electronic or printed) which accompanies the Licensed Product.

"End User Agreement" means the terms and conditions set out in this agreement.

"Licensed Product" means all or each (as the context so allows) of the hardware which is licensed to you.

#### 2. COPYRIGHT AND OWNERSHIP

The End User has full and complete ownership of the hardware, documentation and accessories supplied at the time of purchase the Start Date. Your obligations under the End User License Agreement in respect to the intellectual property and confidential information of MMR or any of its products shall survive any expiry or termination of the End User License Agreement. MMR products contain patented proprietary designs which remain at all time the property of MMR Technologies, Inc.

#### 3. RIGHTS AND RESTRICTIONS

- **3.1. LICENSE TERM:** The End User License Agreement starts at the time of shipment of the Elan2Digital Liquid Nitrogen Generator, "product of MMR".
- **3.2. RIGHTS:** We grant to you a non-exclusive right to:
- **3.2.1.** Use the Licensed Product, subject to the terms and conditions contained within this End User License Agreement, for your own commercial purposed (the "Purpose").
- **3.3. RESTRICTIONS:** You are not permitted to:
- **3.3.1.** Modify the Licensed Product except as necessary to configure the Licensed Product as outlines in the User Manual.
- **3.3.2.** Reverse engineer, disassemble or decompile the Licensed Product or any portion thereof or otherwise attempt to derive or determine the source code or the engineering therein.
- **3.3.3.** Use the Licensed Product for the purposes of competing with MMR, including, without limitation, competitive intelligence.
- **3.3.4.** Use the product in a way not described in the documentation without first obtaining written permission from MMR Engineering.

### 4. WARRANTY

- **4.1.** We warranty to you that the Licensed Product will perform substantially in accordance with the Documentation, provided that it is operated in accordance with the Documentation in the designated configuration and that the Documentation describes the operation of the Licensed Product in all material respects.
- **4.2.** You must tell us about any fault with the Licensed Product as soon as is reasonably possible following discovery of such fault. If you notify us of a fault with the Licensed Product, we will endeavor to correct or replace the Licensed Product and/or Documentation within a reasonable time.
- **4.3.** You agree that your use of the Licensed Product is and will continue to be in accordance with all applicable laws and regulations
- **4.4.** You shall be liable for any reasonably foreseeable losses that arise from your use of the Licensed Product in breach of this End User License Agreement.
- **4.5.** Nothing in this End User License Agreement shall affect your statutory rights. If you have any doubts as to your statutory rights then you should contact your local advice center.

### **END USER AGREEMENT CONT.**

#### 5. USE OF THE LICENSED PRODUCT

EXCEPT FOR THE EXPRESS WARRANTIES CONTAINED IN CLAUSE 4 ABOVE, MMR AND ANY OF ITS THIRD-PARTY LICENSORS AND SUPPLIERS, AND THE CONTRIBUTORS OF CERTAIN INCLUDED HARDWARE MAKE NO WARRANTIES, CONDITIONS UNDERTAKINGS OR REPRESENTATIONS OF ANY KIND, EITHER EXPRESS OR IMPLIED, STATUTORY OR OTHERWISE, IN RELATION TO THE PRODUCT INCLUDING, WITHOUT LIMITATION, ANY IMPLIED WARRANTIES OR CONDITIONS OF MERCHANTABILITY, SATISFACTORY QUAILTY, FITNESS FOR A PARTICULAR PURPOSE, NON-INFRINGEMENT OR ARISING FROM COURSE OF DEAILING, USAGE OR TRADE. SOME STATES/JURISTICTIONS DO NOT ALLOW THE EXCLUSION OF IMPLED WARRANTIES, SO THE BOVE EXCLUSION MAY NOT APPLY TO YOU AND YOU MAY HAVE OTHER LEGAL RIGHTS THAT VARY FROM STATE TO STATE OR BY JURISTICTIONS. If you have any doubts as to whether the above applied to you then you should contact your local advice center. WITHOUT LIMITATION TO THE FOREGOING, MMR DOES NOT WARRANTY THAT THE PRODUCT WILL MEET YOUR REQUIREMENTS, OR THAT THE OPERATION OF THE PRODUCT WILL BE ERROR FREE OR UNINTERRUPTED OR THAT DEFECTS IN THE PRODUCT WILL BE CORRECTED.

#### 6. LIMITATION OF LIABILITY

- **6.1.** We shall only be liable under this End User License Agreement for losses which are reasonably foreseeable and caused by our own breach of this End User License Agreement, or our negligence.
- **6.2.** In the absence of any negligence or other breach of duty by us, the use of the Licensed Product is at your risk.
- **6.3.** Our liability to you shall not include relating to any business of yours; such as injury, loss or profits or contracts or business interruption.
- **6.4.** Nothing in this End User License Agreement shall exclude or limit our liability for death or personal injury caused by our negligence.

#### 7. TERMINATION

YOUR RIGHT TO END THIS END USER LICENSE AGREEMENT: you may end this End User License Agreement at any time by disposing of the Licensed Product and all material associated with it.

OUR RIGHT TO END THIS LICENSE AGREEMENT: we may end this End User License Agreement:

- (i) Immediately at any time for any or no reason; or
- (ii) If you fail to comply with any of the term and conditions of this End User License Agreement

### 8. CONFIDENTIALITY

- **8.1.** The Licensed Product includes our confidential information that is secret an valuable to us and our licensors. You are not entitled to use or disclose that confidential information other than strictly in accordance with the terms of this End User License Agreement.
- **8.2.** We may disclose details of this End User License Agreement to third parties for publicity and promotional purposes.

#### 9. USE OF YOUR INFORMATION

- **9.1.** We may use information you provide to us for the following purposes:
- **9.1.1.** To send emails to you to provide information and goods and services to you, and to let you know about other goods and services which we think may be of interest to you.
- **9.2.** We confirm that we will process personal information in accordance with the provisions of the Data Protection Act 1998.

### 10. GENERAL

**10.1.** We intend you to rely upon the written terms set out in this End User License Agreement. If you require any changes to these terms please contact us and request for these to be put in writing.

Any notices required to be given in writing to MMR or any questions concerning this End User License Agreement should be address to The Company Secretary, MMR Technologies, Inc., 41 Daggett Dr., San Jose, CA 95134, USA.



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