

# **User Guide**

M1 Bright (LED Dental Mirror)
M2 Rainbow (Dental Mirror with Endo Gauge)
M3 Breeze (AirClean Dental Mirror)
M5 Mini (AIrClean Micro Mirror)
M6 Lumi (AirClean Photography Mirror)
M7 Eva (3D HVE Suction Mirror)

## **Directions for Use**

M1 Bright (LED Dental Mirror)
M2 Rainbow (Dental Mirror with Endo Gauge)
M3 Breeze (AirClean Dental Mirror)
M5 Mini (AirClean Micro Mirror)
M6 Lumi (AirClean Photography Mirror)
M7 Eva (3D HVE Suction Mirror).

#### Disclaimer

ACME TOOLING TECHNOLOGY CO., LTD. assumes no responsibility or liability for any injury or damage to anyone, for any illegal or improper use of the product that might arise out of or in connection with failure to use this product in accordance with the instructions, cautions, warnings, or statement of intended use published in this manual.

Motranser® is a registered trademark of ACME TOOLING TECHNOLOGY CO., LTD.

All Products Manufactured in Taiwan R.O.C.

#### **Contact Information**

ACME TOOLING TECHNOLOGY CO., LTD.

No. 41-3, Fuxing Road, Waipu Vil.,

Fuxing Township, Changhua County 50648, Taiwan (R.O.C.)

Website: http://www.motranser.com

Email: motranser@yunghau.com

# **Table of Contents**

Introduction	3
Intended Use	3
Contraindications	3
Model Number	3
Specifications	5
Warnings and Cautions	9
Device Setup and Installation	9
M1: Installation and Removal of Light Source Module	9
M1: Battery Replacement of Light Source Module	10
M3, M5 & M6: How to Connect to 3-Way Syringe	11
M3, M5 & M6: How to Install Air Pressure Regulator	11
M5: Replacement Procedure of Mirror Head	13
M6: Procedure of Mirror Replacement	13
How to install the M7 to your HVE suction	15
To an U.S. Standard 11mm HVE	15
To a Europe Standard 16mm HVE	15
3D Rotation	16
How to disassemble 3-Axis Free Rotation Connector	16
Mirror Protective Cover	17
Mirror Replacement Procedure for M1, M2, M3 & M7	17
Remove the old mirror	17
Install a new mirror	18
Maintenance	19
User Guideline	19
Cleaning & Sterilization	20
Disposal	21
Trouble Shooting	22
Warranty	22
Warranty Exceptions	23
Questions & Information	23

## Introduction

This manual describes the installation and use of M1 Bright REF MBLM01, M2 Rainbow REF MBLM02, M3 Breeze REF MBLM03, M5 Mini REF MBLM05, M6 Lumi REF MBLM06, and M7 Eva REF MBLM07.

#### **Intended Use**

- 1. M1 is intended to provide **additional illumination** in a dental cavity in the process of dental examinations.
- 2. M2 is intended to provide a light-weight handy and reusable mirror for dentists.
- 3. M3, M5, and M6 are intended to provide additional self-cleaning air blow function to improve diagnosis or treatment efficiency of dentistry.
- 4. M7 is intended to provide additional high-power suction function with a lightweight handy experience of dentistry.
- 5. The described devices are intended to be used by trained clinical professionals in dentistry.
- 6. Professional qualification including degree in medicine with dentistry specialization, degree in dentistry, or degree in dental nursery.

#### **Contraindications**

The **M1 Bright** LED light output is in a range that may contribute to the premature polymerization of composite materials. In addition, do not point the light directly into eyes.

#### **Model Number**

MBLM01	M1 Bright (LED Dental Mirror)	
MBLM01P01	M1 Dental Mirror Housing	
MBLM01P21	White Light Source Module	
MBLM01P06	M1 Tail Cap	
MBLM02	M2 Rainbow (Dental Mirror with Endo	
	Gauge)	
MBLM03	M3 Breeze (AirClean Dental Mirror)	
	AirClean Accessory Pack for 3 Way Syringe	
MBLM03P05	(3-Way Adapter with 1.8m tube, Air	

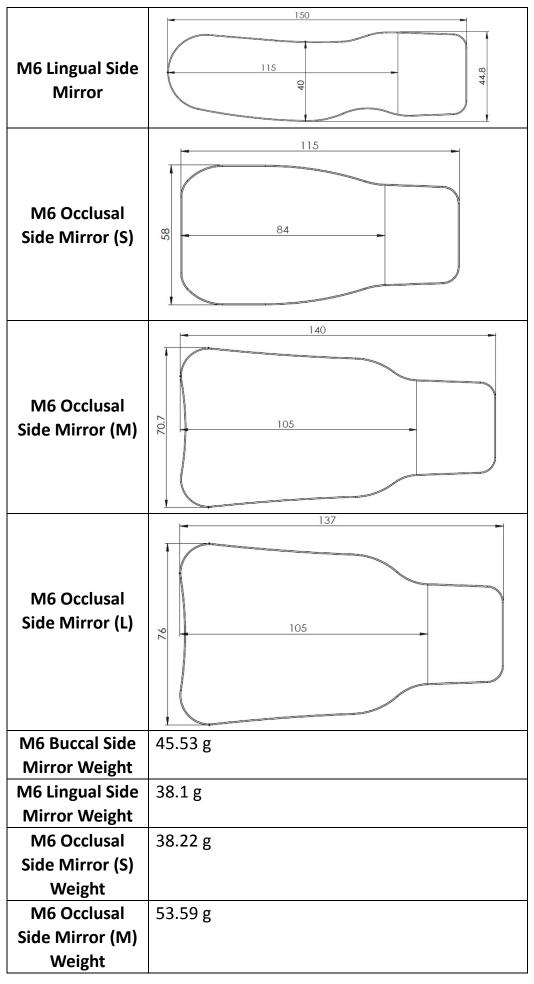
MBLM03P01 3-Way Adapter  MBLM03P03 Air Pressure Regulator for 3-Way  MBLM03P04 Holder  ACM-15 Double-sided Tape 2cm x 5cm  MBLM03P06 Dental Unit Adapter  AirClean Accessory Pack for Dental Unit  (Dental Unit Adapter with 2.5m tube, Holder, and Double-sided Tape)  MBLM01P30 R75 Anti-Fog Mirror  MBLM01P31 R75 Hydrophobic Mirror  MBLM01P25 R98 Anti-Fog Mirror  MBLM01P26 R98 Hydrophobic Mirror  MBLM02P05 No. 4 Mirror Replacement Key  MBLM05P15 M5 Mini 15mm  MBLM05P10 M5 Mini 10mm  MBLM05P03 M5 Mini 3mm  MBLM05P03 M5 Mini 3mm  MBLM06P01-R98A-BC R98A Photo Mirror for Buccal Side  MBLM06P01-R75A-BC R75A Photo Mirror for Lingual Side  MBLM06P01-R98A-LG R98A Photo Mirror for Coclusal Side (Small)  MBLM06P01-R98A-M R98A Photo Mirror for Occlusal Side (Small)  MBLM06P01-R75A-S R75A Photo Mirror for Occlusal Side (Medium)  MBLM06P01-R98A-L R98A Photo Mirror for Occlusal Side (Large)  MBLM06P01-R75A-L R98A Photo Mirror for Occlusal Side (Large)		Duccessus Decisional Helden and		
MBLM03P01 3-Way Adapter  MBLM03P03 Air Pressure Regulator for 3-Way  MBLM03P04 Holder  ACM-15 Double-sided Tape 2cm x 5cm  MBLM03P06 Dental Unit Adapter  AirClean Accessory Pack for Dental Unit (Dental Unit Adapter with 2.5m tube, Holder, and Double-sided Tape)  MBLM01P30 R75 Anti-Fog Mirror  MBLM01P31 R75 Hydrophobic Mirror  MBLM01P25 R98 Anti-Fog Mirror  MBLM01P26 R98 Hydrophobic Mirror  MBLM01P26 R98 Hydrophobic Mirror  MBLM02P05 No. 4 Mirror Replacement Key  MBLM05P10 M5 Mini 15mm  MBLM05P10 M5 Mini 10mm  MBLM05P03 M5 Mini 3mm  MBLM05P03 M5 Mini 3mm  MBLM05P04 Head Mirror Replacement Key  MBLM06P01-R98A-BC R98A Photo Mirror for Buccal Side  MBLM06P01-R95A-LG R75A Photo Mirror for Lingual Side  MBLM06P01-R95A-LG R75A Photo Mirror for Coclusal Side (Small)  MBLM06P01-R98A-S R98A Photo Mirror for Occlusal Side (Small)  MBLM06P01-R98A-A R98A Photo Mirror for Occlusal Side (Medium)  MBLM06P01-R98A-L R98A Photo Mirror for Occlusal Side (Medium)  MBLM06P01-R98A-L R98A Photo Mirror for Occlusal Side (Large)  MBLM06P01-R75A-L R75A Photo Mirror for Occlusal Side (Large)		Pressure Regulator, Holder, and		
MBLM03P03 Air Pressure Regulator for 3-Way MBLM03P04 Holder  ACM-15 Double-sided Tape 2cm x 5cm  MBLM03P06 Dental Unit Adapter  AirClean Accessory Pack for Dental Unit (Dental Unit Adapter with 2.5m tube, Holder, and Double-sided Tape)  MBLM01P30 R75 Anti-Fog Mirror  MBLM01P31 R75 Hydrophobic Mirror  MBLM01P25 R98 Anti-Fog Mirror  MBLM01P26 R98 Hydrophobic Mirror  MBLM02P05 No. 4 Mirror Replacement Key  MBLM05P15 M5 Mini 15mm  MBLM05P10 M5 Mini 10mm  MBLM05P03 M5 Mini 3mm  MBLM05P03 M5 Mini 3mm  MBLM05P01 Head Mirror Replacement Key  MBLM06P01-R98A-BC R98A Photo Mirror for Buccal Side  MBLM06P01-R75A-BC R75A Photo Mirror for Buccal Side  MBLM06P01-R98A-LG R98A Photo Mirror for Lingual Side  MBLM06P01-R98A-S R98A Photo Mirror for Cclusal Side (Small)  MBLM06P01-R98A-M R98A Photo Mirror for Occlusal Side (Small)  MBLM06P01-R98A-M R98A Photo Mirror for Occlusal Side (Small)  MBLM06P01-R75A-BC R75A Photo Mirror for Occlusal Side (Large)  MBLM06P01-R98A-L R98A Photo Mirror for Occlusal Side (Large)  MBLM06P01-R75A-L R75A Photo Mirror for Occlusal Side (Large)	NADI NAO2DO4	+		
MBLM03P04 Holder  ACM-15 Double-sided Tape 2cm x 5cm  MBLM03P06 Dental Unit Adapter  AirClean Accessory Pack for Dental Unit (Dental Unit Adapter with 2.5m tube, Holder, and Double-sided Tape)  MBLM01P30 R75 Anti-Fog Mirror  MBLM01P31 R75 Hydrophobic Mirror  MBLM01P25 R98 Anti-Fog Mirror  MBLM01P26 R98 Hydrophobic Mirror  MBLM01P26 R98 Hydrophobic Mirror  MBLM02P05 No. 4 Mirror Replacement Key  MBLM05P15 M5 Mini 15mm  MBLM05P10 M5 Mini 10mm  MBLM05P03 M5 Mini 3mm  MBLM05P03 M5 Mini 3mm  MBLM05P04 Head Mirror Replacement Key  MBLM06P01-R98A-BC R98A Photo Mirror for Buccal Side  MBLM06P01-R98A-BC R98A Photo Mirror for Buccal Side  MBLM06P01-R98A-LG R98A Photo Mirror for Coclusal Side  MBLM06P01-R98A-S R98A Photo Mirror for Coclusal Side (Small)  MBLM06P01-R98A-M R98A Photo Mirror for Occlusal Side (Small)  MBLM06P01-R98A-L R98A Photo Mirror for Occlusal Side (Small)  MBLM06P01-R98A-L R98A Photo Mirror for Occlusal Side (Large)  MBLM06P01-R75A-L R75A Photo Mirror for Occlusal Side (Large)				
ACM-15 Double-sided Tape 2cm x 5cm  MBLM03P06 Dental Unit Adapter  AirClean Accessory Pack for Dental Unit (Dental Unit Adapter with 2.5m tube, Holder, and Double-sided Tape)  MBLM01P30 R75 Anti-Fog Mirror  MBLM01P31 R75 Hydrophobic Mirror  MBLM01P25 R98 Anti-Fog Mirror  MBLM01P26 R98 Hydrophobic Mirror  MBLM02P05 No. 4 Mirror Replacement Key MBLM05P15 M5 Mini 15mm  MBLM05P10 M5 Mini 10mm  MBLM05P03 M5 Mini 3mm  MBLM05P03 M5 Mini 3mm  MBLM05P20 Head Mirror Replacement Key  MBLM06P01-R98A-BC R98A Photo Mirror for Buccal Side MBLM06P01-R75A-BC R75A Photo Mirror for Buccal Side  MBLM06P01-R98A-LG R98A Photo Mirror for Coclusal Side MBLM06P01-R98A-S R98APhoto Mirror for Occlusal Side (Small)  MBLM06P01-R98A-M R98A Photo Mirror for Occlusal Side (Medium)  MBLM06P01-R98A-L R98A Photo Mirror for Occlusal Side (Medium)  MBLM06P01-R98A-L R98A Photo Mirror for Occlusal Side (Large)  MBLM06P01-R75A-L R75A Photo Mirror Holder  MBLM06P01-R98A-L R98A Photo Mirror Holder  MBLM07P M7 Eva (3D HVE Suction Mirror)  MBLM07P11 Suction Tube Set  MBLM07P12 No. 7 Mirror Replacement Key				
MBLM03P06 Dental Unit Adapter  AirClean Accessory Pack for Dental Unit (Dental Unit Adapter with 2.5m tube, Holder, and Double-sided Tape)  MBLM01P30 R75 Anti-Fog Mirror  MBLM01P31 R75 Hydrophobic Mirror  MBLM01P25 R98 Anti-Fog Mirror  MBLM01P26 R98 Hydrophobic Mirror  MBLM02P05 No. 4 Mirror Replacement Key  MBLM05P15 M5 Mini 15mm  MBLM05P10 M5 Mini 10mm  MBLM05P05 M5 Mini 3mm  MBLM05P03 M5 Mini 3mm  MBLM05P04 Head Mirror Replacement Key  MBLM06P01-R98A-BC R98A Photo Mirror for Buccal Side  MBLM06P01-R75A-BC R75A Photo Mirror for Buccal Side  MBLM06P01-R98A-LG R98A Photo Mirror for Lingual Side  MBLM06P01-R98A-S R98APhoto Mirror for Occlusal Side (Small)  MBLM06P01-R98A-M R98A Photo Mirror for Occlusal Side (Small)  MBLM06P01-R98A-M R98A Photo Mirror for Occlusal Side (Medium)  MBLM06P01-R75A-M R75A Photo Mirror for Occlusal Side (Medium)  MBLM06P01-R98A-L R98A Photo Mirror for Occlusal Side (Large)  MBLM06P01-R75A-L R75A Photo Mirror for Occlusal Side (Large)				
AirClean Accessory Pack for Dental Unit (Dental Unit Adapter with 2.5m tube, Holder, and Double-sided Tape)  MBLM01P30 R75 Anti-Fog Mirror  MBLM01P31 R75 Hydrophobic Mirror  MBLM01P25 R98 Anti-Fog Mirror  MBLM02P05 No. 4 Mirror Replacement Key  MBLM05P15 M5 Mini 15mm  MBLM05P10 M5 Mini 10mm  MBLM05P05 M5 Mini 3mm  MBLM05P03 M5 Mini 3mm  MBLM05P04 MBLM06P01-R98A-BC R98A Photo Mirror for Buccal Side MBLM06P01-R75A-BC R75A Photo Mirror for Lingual Side MBLM06P01-R75A-LG R75A Photo Mirror for Occlusal Side (Small) MBLM06P01-R75A-S R75A Photo Mirror for Occlusal Side (Small) MBLM06P01-R75A-B R75A Photo Mirror for Occlusal Side (Medium)  MBLM06P01-R75A-M R75A Photo Mirror for Occlusal Side (Medium)  MBLM06P01-R75A-L R75A Photo Mirror for Occlusal Side (Large)		-		
MBLM03P07 (Dental Unit Adapter with 2.5m tube, Holder, and Double-sided Tape)  MBLM01P30 R75 Anti-Fog Mirror  MBLM01P31 R75 Hydrophobic Mirror  MBLM01P25 R98 Anti-Fog Mirror  MBLM01P26 R98 Hydrophobic Mirror  MBLM02P05 No. 4 Mirror Replacement Key  MBLM05P15 M5 Mini 15mm  MBLM05P10 M5 Mini 10mm  MBLM05P03 M5 Mini 3mm  MBLM05P03 M5 Mini 3mm  MBLM05P20 Head Mirror Replacement Key  MBLM06P01-R98A-BC R75A Photo Mirror for Buccal Side  MBLM06P01-R75A-BC R75A Photo Mirror for Lingual Side  MBLM06P01-R98A-LG R75A Photo Mirror for Lingual Side  MBLM06P01-R98A-S R98A Photo Mirror for Cuclusal Side (Small)  MBLM06P01-R75A-S R75A Photo Mirror for Occlusal Side (Small)  MBLM06P01-R98A-M R98A Photo Mirror for Occlusal Side (Small)  MBLM06P01-R98A-M R75A Photo Mirror for Occlusal Side (Medium)  MBLM06P01-R75A-M R75A Photo Mirror for Occlusal Side (Medium)  MBLM06P01-R98A-L R98A Photo Mirror for Occlusal Side (Large)  MBLM06P01-R75A-L R75A Photo Mirror for Occlusal Side (Large)	MBLM03P06	-		
MBLM01P30 R75 Anti-Fog Mirror  MBLM01P31 R75 Hydrophobic Mirror  MBLM01P25 R98 Anti-Fog Mirror  MBLM01P26 R98 Hydrophobic Mirror  MBLM02P05 No. 4 Mirror Replacement Key  MBLM05P15 M5 Mini 15mm  MBLM05P10 M5 Mini 10mm  MBLM05P03 M5 Mini 3mm  MBLM05P20 Head Mirror Replacement Key  MBLM06P01-R98A-BC R98A Photo Mirror for Buccal Side  MBLM06P01-R98A-LG R98A Photo Mirror for Lingual Side  MBLM06P01-R75A-LG R75A Photo Mirror for Lingual Side  MBLM06P01-R98A-S R98A Photo Mirror for Cclusal Side (Small)  MBLM06P01-R98A-M R98A Photo Mirror for Occlusal Side (Small)  MBLM06P01-R98A-M R98A Photo Mirror for Occlusal Side (Small)  MBLM06P01-R98A-M R98A Photo Mirror for Occlusal Side (Medium)  MBLM06P01-R75A-L R75A Photo Mirror for Occlusal Side (Large)  MBLM06P01-R75A-L R75A Photo Mirror for Occlusal Side (Large)  MBLM06P01-R98A-L R98A Photo Mirror for Occlusal Side (Large)  MBLM06P01-R75A-L R75A Photo Mirror for Occlusal Side (Large)		-		
MBLM01P30 R75 Anti-Fog Mirror  MBLM01P31 R75 Hydrophobic Mirror  MBLM01P25 R98 Anti-Fog Mirror  MBLM01P26 R98 Hydrophobic Mirror  MBLM02P05 No. 4 Mirror Replacement Key  MBLM05P15 M5 Mini 15mm  MBLM05P10 M5 Mini 10mm  MBLM05P03 M5 Mini 3mm  MBLM05P20 Head Mirror Replacement Key  MBLM06P01-R98A-BC R98A Photo Mirror for Buccal Side  MBLM06P01-R75A-BC R75A Photo Mirror for Lingual Side  MBLM06P01-R75A-LG R75A Photo Mirror for Lingual Side  MBLM06P01-R75A-LG R75A Photo Mirror for Cclusal Side (Small)  MBLM06P01-R75A-S R75APhoto Mirror for Occlusal Side (Small)  MBLM06P01-R98A-M R98A Photo Mirror for Occlusal Side (Small)  MBLM06P01-R75A-M R75A Photo Mirror for Occlusal Side (Medium)  MBLM06P01-R75A-L R75A Photo Mirror for Occlusal Side (Medium)  MBLM06P01-R75A-M R75A Photo Mirror for Occlusal Side (Large)  MBLM06P01-R75A-L R75A Photo Mirror for Occlusal Side (Large)	MBLM03P07	(Dental Unit Adapter with 2.5m tube,		
MBLM01P31 R75 Hydrophobic Mirror  MBLM01P25 R98 Anti-Fog Mirror  MBLM01P26 R98 Hydrophobic Mirror  MBLM02P05 No. 4 Mirror Replacement Key  MBLM05P15 M5 Mini 15mm  MBLM05P10 M5 Mini 10mm  MBLM05P05 M5 Mini 3mm  MBLM05P03 M5 Mini 3mm  MBLM05P20 Head Mirror Replacement Key  MBLM06P01-R98A-BC R98A Photo Mirror for Buccal Side  MBLM06P01-R75A-BC R75A Photo Mirror for Lingual Side  MBLM06P01-R98A-LG R98A Photo Mirror for Lingual Side  MBLM06P01-R98A-S R98APhoto Mirror for Lingual Side  MBLM06P01-R98A-S R98APhoto Mirror for Occlusal Side (Small)  MBLM06P01-R98A-M R98A Photo Mirror for Occlusal Side (Small)  MBLM06P01-R98A-M R98A Photo Mirror for Occlusal Side (Medium)  MBLM06P01-R98A-L R98A Photo Mirror for Occlusal Side (Medium)  MBLM06P01-R98A-L R98A Photo Mirror for Occlusal Side (Large)  MBLM06P01-R75A-L R98A Photo Mirror for Occlusal Side (Large)		Holder, and Double-sided Tape)		
MBLM01P25 R98 Anti-Fog Mirror  MBLM02P05 No. 4 Mirror Replacement Key  MBLM05P15 M5 Mini 15mm  MBLM05P10 M5 Mini 10mm  MBLM05P03 M5 Mini 3mm  MBLM05P20 Head Mirror Replacement Key  MBLM06P01-R98A-BC R98A Photo Mirror for Buccal Side  MBLM06P01-R75A-BC R75A Photo Mirror for Lingual Side  MBLM06P01-R75A-LG R75A Photo Mirror for Lingual Side  MBLM06P01-R75A-LG R75A Photo Mirror for Occlusal Side (Small)  MBLM06P01-R98A-S R98A Photo Mirror for Occlusal Side (Small)  MBLM06P01-R98A-M R98A Photo Mirror for Occlusal Side (Small)  MBLM06P01-R75A-M R98A Photo Mirror for Occlusal Side (Medium)  MBLM06P01-R75A-L R75A Photo Mirror for Occlusal Side (Medium)  MBLM06P01-R75A-L R75A Photo Mirror for Occlusal Side (Medium)  MBLM06P01-R75A-L R75A Photo Mirror for Occlusal Side (Large)	MBLM01P30	R75 Anti-Fog Mirror		
MBLM01P26 R98 Hydrophobic Mirror MBLM02P05 No. 4 Mirror Replacement Key MBLM05P15 M5 Mini 15mm MBLM05P10 M5 Mini 10mm MBLM05P05 M5 Mini 3mm MBLM05P03 M5 Mini 3mm MBLM05P20 Head Mirror Replacement Key MBLM06P01-R98A-BC R98A Photo Mirror for Buccal Side MBLM06P01-R75A-BC R75A Photo Mirror for Lingual Side MBLM06P01-R75A-LG R75A Photo Mirror for Lingual Side MBLM06P01-R75A-LG R75A Photo Mirror for Occlusal Side (Small) MBLM06P01-R98A-S R98APhoto Mirror for Occlusal Side (Small) MBLM06P01-R75A-S R75APhoto Mirror for Occlusal Side (Small) MBLM06P01-R98A-M R98A Photo Mirror for Occlusal Side (Medium) MBLM06P01-R75A-M R75A Photo Mirror for Occlusal Side (Medium) MBLM06P01-R75A-L R98A Photo Mirror for Occlusal Side (Large) MBLM06P01-R75A-L R75A Photo Mirror for Occlusal Side (Large) MBLM06P04 Photo Mirror Holder MBLM07P M7 Eva (3D HVE Suction Mirror) MBLM07P11 Suction Tube Set MBLM07P12 No. 7 Mirror Replacement Key	MBLM01P31	R75 Hydrophobic Mirror		
MBLM05P15 M5 Mini 15mm MBLM05P10 M5 Mini 10mm MBLM05P05 M5 Mini 3mm MBLM05P03 M5 Mini 3mm MBLM05P20 Head Mirror Replacement Key MBLM06P01-R98A-BC R98A Photo Mirror for Buccal Side MBLM06P01-R75A-BC R75A Photo Mirror for Lingual Side MBLM06P01-R75A-LG R75A Photo Mirror for Lingual Side MBLM06P01-R75A-LG R75A Photo Mirror for Ccclusal Side (Small) MBLM06P01-R75A-S R75APhoto Mirror for Occlusal Side (Small) MBLM06P01-R75A-M R98A Photo Mirror for Occlusal Side (Small) MBLM06P01-R75A-M R98A Photo Mirror for Occlusal Side (Medium) MBLM06P01-R75A-L R75A Photo Mirror for Occlusal Side (Medium)  MBLM06P01-R75A-L R75A Photo Mirror for Occlusal Side (Large)  MBLM06P01-R75A-L R75A Photo Mirror for Occlusal Side (Large)  MBLM06P04 Photo Mirror Holder MBLM07P M7 Eva (3D HVE Suction Mirror)  MBLM07P11 Suction Tube Set MBLM07P12 No. 7 Mirror Replacement Key	MBLM01P25	R98 Anti-Fog Mirror		
MBLM05P15 M5 Mini 15mm MBLM05P05 M5 Mini 10mm MBLM05P03 M5 Mini 3mm MBLM05P20 Head Mirror Replacement Key MBLM06P01-R98A-BC R98A Photo Mirror for Buccal Side MBLM06P01-R98A-LG R98A Photo Mirror for Lingual Side MBLM06P01-R75A-LG R75A Photo Mirror for Lingual Side MBLM06P01-R75A-LG R75A Photo Mirror for Lingual Side MBLM06P01-R98A-S R98APhoto Mirror for Occlusal Side (Small) MBLM06P01-R75A-S R75APhoto Mirror for Occlusal Side (Small) MBLM06P01-R98A-M R98A Photo Mirror for Occlusal Side (Small) MBLM06P01-R75A-M R75A Photo Mirror for Occlusal Side (Medium) MBLM06P01-R98A-L R75A Photo Mirror for Occlusal Side (Medium) MBLM06P01-R75A-L R75A Photo Mirror for Occlusal Side (Large) MBLM06P01-R75A-L R75A Photo Mirror for Occlusal Side (Large) MBLM06P04 Photo Mirror Holder MBLM07P M7 Eva (3D HVE Suction Mirror) MBLM07P11 Suction Tube Set MBLM07P12 No. 7 Mirror Replacement Key	MBLM01P26	R98 Hydrophobic Mirror		
MBLM05P10 M5 Mini 10mm MBLM05P03 M5 Mini 3mm MBLM05P20 Head Mirror Replacement Key MBLM06P01-R98A-BC R98A Photo Mirror for Buccal Side MBLM06P01-R75A-BC R75A Photo Mirror for Lingual Side MBLM06P01-R75A-LG R75A Photo Mirror for Lingual Side MBLM06P01-R75A-LG R75A Photo Mirror for Lingual Side MBLM06P01-R75A-LG R75A Photo Mirror for Occlusal Side (Small) MBLM06P01-R75A-S R75APhoto Mirror for Occlusal Side (Small) MBLM06P01-R75A-S R75APhoto Mirror for Occlusal Side (Small) MBLM06P01-R75A-M R75A Photo Mirror for Occlusal Side (Medium) MBLM06P01-R75A-M R75A Photo Mirror for Occlusal Side (Medium) MBLM06P01-R75A-L R98A Photo Mirror for Occlusal Side (Large) MBLM06P01-R75A-L R75A Photo Mirror for Occlusal Side (Large) MBLM06P04 Photo Mirror Holder MBLM07P M7 Eva (3D HVE Suction Mirror) MBLM07P11 Suction Tube Set MBLM07P12 No. 7 Mirror Replacement Key	MBLM02P05	No. 4 Mirror Replacement Key		
MBLM05P05 M5 Mini 5mm  MBLM05P03 M5 Mini 3mm  MBLM05P20 Head Mirror Replacement Key  MBLM06P01-R98A-BC R98A Photo Mirror for Buccal Side  MBLM06P01-R75A-BC R75A Photo Mirror for Buccal Side  MBLM06P01-R98A-LG R98A Photo Mirror for Lingual Side  MBLM06P01-R75A-LG R75A Photo Mirror for Lingual Side  MBLM06P01-R98A-S R98APhoto Mirror for Occlusal Side (Small)  MBLM06P01-R75A-S R75APhoto Mirror for Occlusal Side (Small)  MBLM06P01-R98A-M R98A Photo Mirror for Occlusal Side (Medium)  MBLM06P01-R75A-M R75A Photo Mirror for Occlusal Side (Medium)  MBLM06P01-R98A-L R98A Photo Mirror for Occlusal Side (Large)  MBLM06P01-R75A-L R75A Photo Mirror for Occlusal Side (Large)  MBLM06P01-R75A-L S9A Photo Mirror for Occlusal Side (Large)  MBLM06P01-R75A-L S9A Photo Mirror for Occlusal Side (Large)  MBLM06P01-R75A-L S0A Photo Mirror for Occlusal Side (Large)	MBLM05P15	M5 Mini 15mm		
MBLM05P03 Head Mirror Replacement Key  MBLM06P01-R98A-BC R98A Photo Mirror for Buccal Side  MBLM06P01-R75A-BC R75A Photo Mirror for Buccal Side  MBLM06P01-R98A-LG R98A Photo Mirror for Lingual Side  MBLM06P01-R75A-LG R75A Photo Mirror for Lingual Side  MBLM06P01-R75A-LG R75A Photo Mirror for Lingual Side  MBLM06P01-R98A-S R98APhoto Mirror for Occlusal Side (Small)  MBLM06P01-R75A-S R75APhoto Mirror for Occlusal Side (Small)  MBLM06P01-R98A-M R98A Photo Mirror for Occlusal Side  (Medium)  MBLM06P01-R75A-M R75A Photo Mirror for Occlusal Side  (Medium)  MBLM06P01-R98A-L R98A Photo Mirror for Occlusal Side  (Large)  MBLM06P01-R75A-L R75A Photo Mirror for Occlusal Side  (Large)  MBLM06P04 Photo Mirror Holder  MBLM07P M7 Eva (3D HVE Suction Mirror)  MBLM07P11 Suction Tube Set  MBLM07P12 No. 7 Mirror Replacement Key	MBLM05P10	M5 Mini 10mm		
MBLM05P20 Head Mirror Replacement Key MBLM06P01-R98A-BC R98A Photo Mirror for Buccal Side MBLM06P01-R75A-BC R75A Photo Mirror for Buccal Side MBLM06P01-R98A-LG R98A Photo Mirror for Lingual Side MBLM06P01-R75A-LG R75A Photo Mirror for Lingual Side MBLM06P01-R98A-S R98APhoto Mirror for Occlusal Side (Small) MBLM06P01-R75A-S R75APhoto Mirror for Occlusal Side (Small) MBLM06P01-R98A-M R98A Photo Mirror for Occlusal Side (Medium) MBLM06P01-R75A-M R75A Photo Mirror for Occlusal Side (Medium) MBLM06P01-R98A-L R98A Photo Mirror for Occlusal Side (Large) MBLM06P01-R75A-L R75A Photo Mirror for Occlusal Side (Large) MBLM06P04 Photo Mirror Holder MBLM07P M7 Eva (3D HVE Suction Mirror) MBLM07P11 Suction Tube Set MBLM07P12 No. 7 Mirror Replacement Key	MBLM05P05	M5 Mini 5mm		
MBLM06P01-R98A-BC R98A Photo Mirror for Buccal Side MBLM06P01-R75A-BC R75A Photo Mirror for Buccal Side MBLM06P01-R98A-LG R98A Photo Mirror for Lingual Side MBLM06P01-R75A-LG R75A Photo Mirror for Lingual Side MBLM06P01-R98A-S R98APhoto Mirror for Occlusal Side (Small) MBLM06P01-R75A-S R75APhoto Mirror for Occlusal Side (Small) MBLM06P01-R98A-M R98A Photo Mirror for Occlusal Side (Medium) MBLM06P01-R75A-M R75A Photo Mirror for Occlusal Side (Medium) MBLM06P01-R98A-L R98A Photo Mirror for Occlusal Side (Large) MBLM06P01-R75A-L R75A Photo Mirror for Occlusal Side (Large) MBLM06P04 Photo Mirror Holder MBLM07P M7 Eva (3D HVE Suction Mirror) MBLM07P11 Suction Tube Set MBLM07P12 No. 7 Mirror Replacement Key	MBLM05P03	M5 Mini 3mm		
MBLM06P01-R75A-BC R75A Photo Mirror for Buccal Side MBLM06P01-R98A-LG R98A Photo Mirror for Lingual Side MBLM06P01-R75A-LG R75A Photo Mirror for Lingual Side MBLM06P01-R98A-S R98APhoto Mirror for Occlusal Side (Small) MBLM06P01-R75A-S R75APhoto Mirror for Occlusal Side (Small) MBLM06P01-R98A-M R98A Photo Mirror for Occlusal Side (Medium) MBLM06P01-R75A-M R75A Photo Mirror for Occlusal Side (Medium) MBLM06P01-R98A-L R98A Photo Mirror for Occlusal Side (Large) MBLM06P01-R75A-L R75A Photo Mirror for Occlusal Side (Large) MBLM06P04 Photo Mirror for Occlusal Side (Large) MBLM07P M7 Eva (3D HVE Suction Mirror) MBLM07P11 Suction Tube Set MBLM07P12 No. 7 Mirror Replacement Key	MBLM05P20	Head Mirror Replacement Key		
MBLM06P01-R98A-LG R98A Photo Mirror for Lingual Side MBLM06P01-R75A-LG R75A Photo Mirror for Lingual Side MBLM06P01-R98A-S R98APhoto Mirror for Occlusal Side (Small) MBLM06P01-R75A-S R75APhoto Mirror for Occlusal Side (Small) MBLM06P01-R98A-M R98A Photo Mirror for Occlusal Side (Medium) MBLM06P01-R75A-M R75A Photo Mirror for Occlusal Side (Medium) MBLM06P01-R98A-L R98A Photo Mirror for Occlusal Side (Large) MBLM06P01-R75A-L R75A Photo Mirror for Occlusal Side (Large) MBLM06P04 Photo Mirror Holder MBLM07P M7 Eva (3D HVE Suction Mirror) MBLM07P11 Suction Tube Set MBLM07P12 No. 7 Mirror Replacement Key	MBLM06P01-R98A-BC			
MBLM06P01-R75A-LG R75A Photo Mirror for Lingual Side MBLM06P01-R98A-S R98APhoto Mirror for Occlusal Side (Small) MBLM06P01-R75A-S R75APhoto Mirror for Occlusal Side (Small) MBLM06P01-R98A-M R98A Photo Mirror for Occlusal Side (Medium) MBLM06P01-R75A-M R75A Photo Mirror for Occlusal Side (Medium) MBLM06P01-R98A-L R98A Photo Mirror for Occlusal Side (Large) MBLM06P01-R75A-L R75A Photo Mirror for Occlusal Side (Large) MBLM06P04 Photo Mirror Holder MBLM07P M7 Eva (3D HVE Suction Mirror) MBLM07P11 Suction Tube Set MBLM07P12 No. 7 Mirror Replacement Key	MBLM06P01-R75A-BC	R75A Photo Mirror for Buccal Side		
MBLM06P01-R98A-S R98APhoto Mirror for Occlusal Side (Small) MBLM06P01-R75A-S R75APhoto Mirror for Occlusal Side (Small) MBLM06P01-R98A-M R98A Photo Mirror for Occlusal Side (Medium)  MBLM06P01-R75A-M R75A Photo Mirror for Occlusal Side (Medium)  MBLM06P01-R98A-L R98A Photo Mirror for Occlusal Side (Large)  MBLM06P01-R75A-L R75A Photo Mirror for Occlusal Side (Large)  MBLM06P04 Photo Mirror Holder  MBLM07P M7 Eva (3D HVE Suction Mirror)  MBLM07P11 Suction Tube Set  MBLM07P12 No. 7 Mirror Replacement Key	MBLM06P01-R98A-LG	R98A Photo Mirror for Lingual Side		
MBLM06P01-R75A-S R75APhoto Mirror for Occlusal Side (Small)  R98A Photo Mirror for Occlusal Side (Medium)  MBLM06P01-R75A-M R75A Photo Mirror for Occlusal Side (Medium)  MBLM06P01-R98A-L R98A Photo Mirror for Occlusal Side (Large)  MBLM06P01-R75A-L R75A Photo Mirror for Occlusal Side (Large)  MBLM06P04 Photo Mirror Holder  MBLM07P M7 Eva (3D HVE Suction Mirror)  MBLM07P11 Suction Tube Set  MBLM07P12 No. 7 Mirror Replacement Key	MBLM06P01-R75A-LG			
MBLM06P01-R98A-M R98A Photo Mirror for Occlusal Side (Medium) R75A Photo Mirror for Occlusal Side (Medium) MBLM06P01-R98A-L R98A Photo Mirror for Occlusal Side (Large) R75A Photo Mirror for Occlusal Side (Large) MBLM06P01-R75A-L R75A Photo Mirror for Occlusal Side (Large) MBLM06P04 Photo Mirror Holder MBLM07P M7 Eva (3D HVE Suction Mirror) MBLM07P11 Suction Tube Set MBLM07P12 No. 7 Mirror Replacement Key	MBLM06P01-R98A-S			
(Medium)  MBLM06P01-R75A-M  R75A Photo Mirror for Occlusal Side (Medium)  MBLM06P01-R98A-L  R98A Photo Mirror for Occlusal Side (Large)  MBLM06P01-R75A-L  R75A Photo Mirror for Occlusal Side (Large)  MBLM06P04  Photo Mirror Holder  MBLM07P  M7 Eva (3D HVE Suction Mirror)  MBLM07P11  Suction Tube Set  MBLM07P12  No. 7 Mirror Replacement Key	MBLM06P01-R75A-S	R75APhoto Mirror for Occlusal Side (Small)		
MBLM06P01-R75A-M R75A Photo Mirror for Occlusal Side (Medium)  R98A Photo Mirror for Occlusal Side (Large)  MBLM06P01-R75A-L R75A Photo Mirror for Occlusal Side (Large)  MBLM06P04 Photo Mirror Holder  MBLM07P M7 Eva (3D HVE Suction Mirror)  MBLM07P11 Suction Tube Set  MBLM07P12 No. 7 Mirror Replacement Key	MBLM06P01-R98A-M	R98A Photo Mirror for Occlusal Side		
(Medium)  MBLM06P01-R98A-L  R98A Photo Mirror for Occlusal Side (Large)  MBLM06P01-R75A-L  R75A Photo Mirror for Occlusal Side (Large)  MBLM06P04  Photo Mirror Holder  MBLM07P  M7 Eva (3D HVE Suction Mirror)  MBLM07P11  Suction Tube Set  MBLM07P12  No. 7 Mirror Replacement Key		(Medium)		
MBLM06P01-R98A-L R98A Photo Mirror for Occlusal Side (Large)  MBLM06P01-R75A-L R75A Photo Mirror for Occlusal Side (Large)  MBLM06P04 Photo Mirror Holder  MBLM07P M7 Eva (3D HVE Suction Mirror)  MBLM07P11 Suction Tube Set  MBLM07P12 No. 7 Mirror Replacement Key	MBLM06P01-R75A-M	R75A Photo Mirror for Occlusal Side		
(Large)  MBLM06P01-R75A-L R75A Photo Mirror for Occlusal Side (Large)  MBLM06P04 Photo Mirror Holder  MBLM07P M7 Eva (3D HVE Suction Mirror)  MBLM07P11 Suction Tube Set  MBLM07P12 No. 7 Mirror Replacement Key		(Medium)		
MBLM06P01-R75A-L R75A Photo Mirror for Occlusal Side (Large)  MBLM06P04 Photo Mirror Holder  MBLM07P M7 Eva (3D HVE Suction Mirror)  MBLM07P11 Suction Tube Set  MBLM07P12 No. 7 Mirror Replacement Key	MBLM06P01-R98A-L	R98A Photo Mirror for Occlusal Side		
(Large)  MBLM06P04 Photo Mirror Holder  MBLM07P M7 Eva (3D HVE Suction Mirror)  MBLM07P11 Suction Tube Set  MBLM07P12 No. 7 Mirror Replacement Key		(Large)		
MBLM06P04 Photo Mirror Holder  MBLM07P M7 Eva (3D HVE Suction Mirror)  MBLM07P11 Suction Tube Set  MBLM07P12 No. 7 Mirror Replacement Key	MBLM06P01-R75A-L	R75A Photo Mirror for Occlusal Side		
MBLM07P M7 Eva (3D HVE Suction Mirror) MBLM07P11 Suction Tube Set MBLM07P12 No. 7 Mirror Replacement Key		(Large)		
MBLM07P11 Suction Tube Set  MBLM07P12 No. 7 Mirror Replacement Key	MBLM06P04	Photo Mirror Holder		
MBLM07P12 No. 7 Mirror Replacement Key	MBLM07P	M7 Eva (3D HVE Suction Mirror)		
, ,	MBLM07P11	,		
	MBLM07P12	No. 7 Mirror Replacement Key		
	STM-09	Mirror Protective Cover		

The above parts can be purchased separately.

# **Specifications**

Take care to leave free space or operation room in order to avoid any interference with fixed obstacles. The free space or operation room can be determined by the following sizes and dimensions:

N/1 C:-0	Dontal mirror handle (with tail can), 194 mm v		
M1 Size	Dental mirror handle (with tail cap): 184 mm x		
	25 mm		
	Light source module: 146 mm x 13 mm		
M1 Diameter	Handle: 15.5 mm		
	Light source module: 12.7 mm		
M1 Weight	Dental mirror handle (with tail cap): 11 g		
	Light source module: 27 g		
M2 Length	180 mm		
M2 Diameter	12 mm		
M2 Weight	12.40 g		
M3 Length	162 mm		
M3 Diameter	12 mm		
M3 Weight	12 g		
M5 Length	164 mm		
M5 Weight	10 g		
M5 Mirror	3 mm, 5 mm, 10 mm, and 15 mm		
Length			
M5 Thickness	1.6 mm		
for 3 mm and 5			
mm mirror head			
M5 Thickness	3.15 mm		
for 10 mm and			
15 mm mirror			
head			
M6 Buccal Side Mirror	150		



M6 Occlusal	54.83 g
Side Mirror (L)	
Weight	
Air Pressure	0.4 MPa
M7 Mirror	172 mm
Length	
M7 Mirror	27 mm
Width	
M7 Mirror	10.9 g
Weight	
M7 Suction	180 cm
Tube Length	
M7 Tube Width	12 mm
M7 Tube Weight	87.2 g
M7 3-Axis Free	10.4 g
Rotation	
Connector	
M7 Suction	82 mm
Mirror Holder	
Length	
M7 Suction	62 mm
Mirror Holder	
Width	
M7 Suction	13.7 g
Mirror Holder	
Weight	
M7 Suction	11 mm
Mirror Holder	
Connector for	
U.S.A. Type	
M7 Suction	16 mm
Mirror Holder	
Connector for	
Europe Type	
M7 U Spring	SUS 316 (40) FE
Mirror	28.55 mm
Protective	
Cover Length	
Mirror	31 mm

Protective			
Cover Width			
Mirror	8.5 mm		
Protective			
Cover Thickness			
Mirror	2.5 g		
Protective			
Cover Weight			
Material	Α		
	Glass Fiber/Polymer		
Mirror Material			
	Glass GL		
Lifespan	Up to 500 cycles by class B autoclave		
Reflectivity	R75: 70-75% reflectance		
	R94: 94% reflectance		
	R98: 98% reflectance		
White Light	Brightness: 65,000 LUX		
Source Module	Color Temperature: 5000K, CRI ≥90		
M1, M2, M3,	23 mm		
M7 Mirror			
Length			
Operating	50° F to 104° F (10° C to 40° C)		
Temperature			
Conditions			
Storage	-4°F at 50% RH to 122°F at 95% RH		
Conditions	-20°C at 50% RH to 50°C at 95% RH		
Performance	White light: 6 hours continuously		
Battery	Two 1.5V AAA batteries		
	The CE mark on this product indicates that it has		
	been tested to and conforms to the provisions		
CE	noted within the 93/42/EEC Medical Device		
	Directive.		

### **Warnings and Cautions**

All operating personnel must read and understand the general safety information in this summary. Specific warnings and cautions are also found throughout this manual. A caution or warming statement in this manual identifies a condition or practice which if not corrected or discontinued immediately, could lead to patient injury, illness, death equipment failure, equipment damage, or data loss.



**WARNING** indicates a hazardous situation which, if not avoided, could result in death or serious injury.



**CAUTION** Do not use alkaline batteries; leaking of battery fluid may cause corrosion of electronic component.

**CAUTION** Do not look directly at an illuminated Light Source Module. Temporary blindness or vision loss may result.

**CAUTION** Do not immerse or soak the Light Source Module in any liquid.

**CAUTION** Do not autoclave the batteries or Light Source Module to avoid the risk of damage to the batteries and Light Source Module or to operate without hazard to the user.

**CAUTION** Before use, check if any cracks or chips on the mirror.

**CAUTION** Stop using if the mirror is broken or damaged and replace with a new dental mirror. Do not attempt to take out the damaged mirror.

**CAUTION** Before use, check if the mirror is fully pressed against the frame edge.

**CAUTION** Do not proceed to a rapid cooling after high temperature sterilization.

**CAUTION** Please clean, steam sterilization and dry the new mirrors before first use.

**CAUTION** Follow the exact mirror replacement procedure. Please visit our website http://www.motranser.com for related product information and video demonstrations.

# **Device Setup and Installation**

## M1: Installation and Removal of Light Source Module

Please refer to the figure below, and the M1 Bright REF MBLM01 is mainly comprised

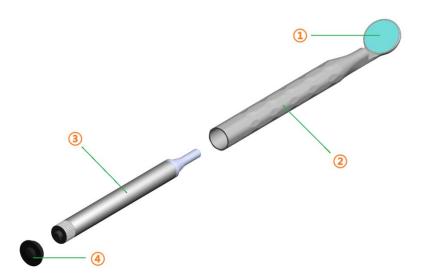
of:

1: HD mirror

②: Dental mirror handle

③: Light source module

4: Tail cap



- 1. Insert ③ "light source module" into ② "dental mirror handle".
- 2. Plug (4) "tail cap" into (2) "dental mirror handle".
- 3. Press 4 "tail cap" to turn on the light and press again to turn off.
- 4. Please use cotton swab with alcohol to clean ① "HD mirror" in order to prevent possible scratch.
- 5. Or, visit http://www.motranser.com for related product information and video demonstration.

## **M1:** Battery Replacement of Light Source Module

Please refer to the figure as below, and

A: LED light bulb

B: Battery cartridge

C: Standard AAA battery

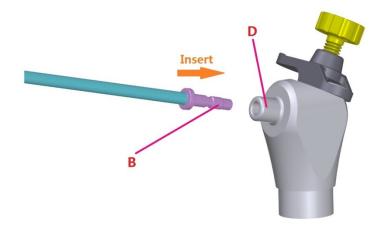
D: Battery cap



- 1. Insert two standard AAA batteries "C" in "B" (battery cartridge) in opposite orientation by the positive terminal (+ pole) facing upward/inward.
- 2. Tighten "D" (battery cap) screw onto "B" (battery cartridge).
- 3. Beware of the risk of fragile "A" (LED light bulb).
- 4. Or, visit http://www.motranser.com for related product information and video demonstration.

### M3, M5 & M6: How to Connect to 3-Way Syringe

Please refer to the figure and configuration as below:



Simply insert "B" (3-Way Adapter) to "D" (3-Way Syringe) all the way in and ensure its good fixation.

## M3, M5 & M6: How to Install Air Pressure Regulator

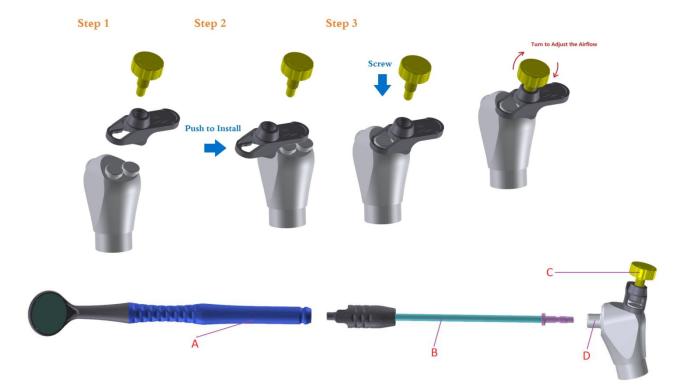
Please refer to the figures as below and the **M3 Breeze** REF **MBLM03** is comprised of four main components:

A: AirClean Dental Mirror Handle

B: 3-Way Adapter

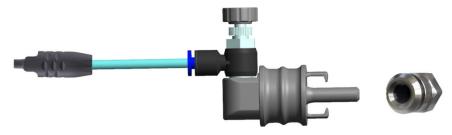
C: Air Pressure Regulator

D: Your 3-Way Syringe (Motranser does not provide).

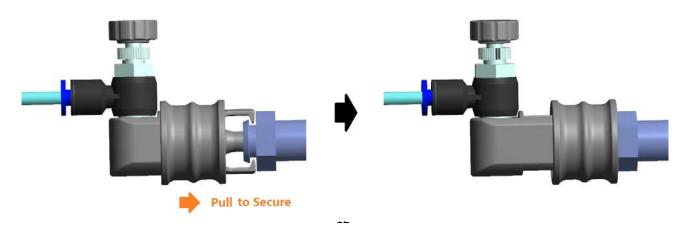


- 1. Screw (without locking) Air Pressure Regulator "C" in Your 3-Way Syringe (referring to "D"), referring to Step-1 to Step-3.
- 2. Air flow rate can be adjusted by rotating Air Pressure Regulator "C", referring to Step4.
- 3. Insert AirClean Dental Mirror Handle "A" into the receiving end of 3-Way Adapter "B".

In addition, optional choices of ¼" and 3/8" QD **Dental Unit Adapter are available**.

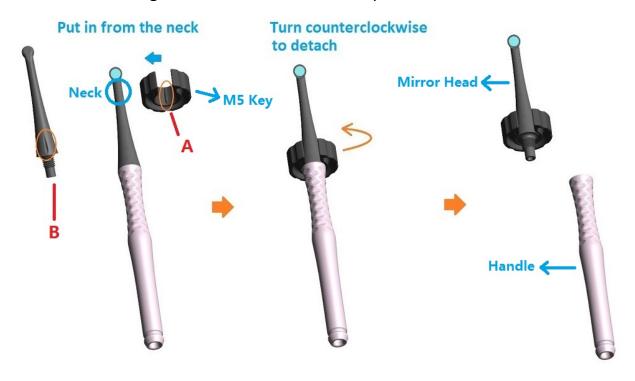


Please refer to the figures as below, and simply insert into dental unit socket and pull the cover to secure.



## **M5: Replacement Procedure of Mirror Head**

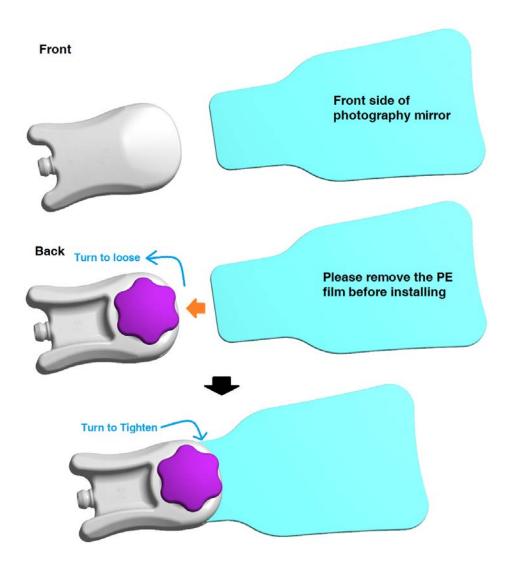
Please refer to the figures as below and follow steps 1 to 3:



- 1. Configure "Mirror Head" into "M5 Key" from the "Neck" position, and place M5 Key to the position where "A" in respect to "B".
- 2. Turn counterclockwise to separate the Mirror head from the Handle.
- 3. Screw New Mirror Head on the Handle and apply M5 Key to tighten.

## **M6: Procedure of Mirror Replacement**

Please refer to the figures as below and follow steps 1 to 3:

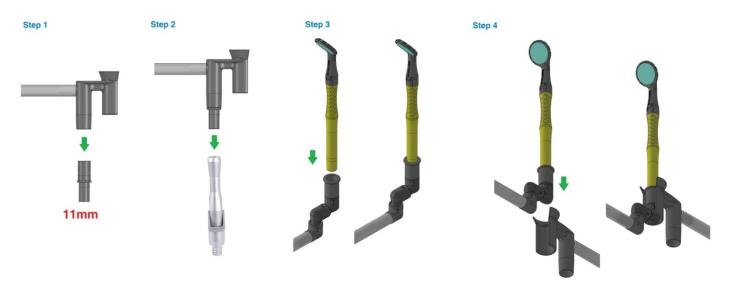


- 1. Remove the PE film prior to new mirror installation.
- 2. Rotate the screw counterclockwise to loose and then insert the mirror.
- 3. Rotate the screw clockwise to tighten and secure the mirror.

## How to install the M7 to your HVE suction

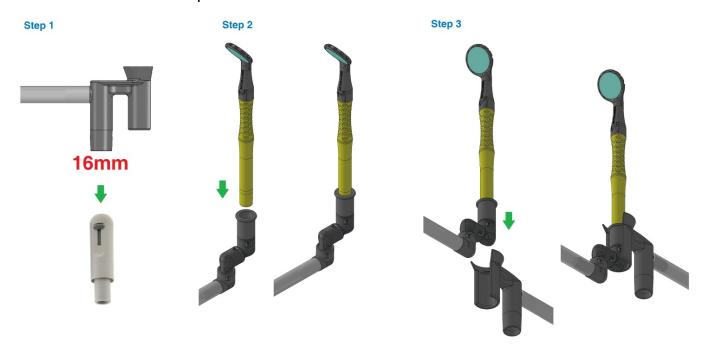
To an U.S. Standard 11mm HVE

Please refer to the steps as below:



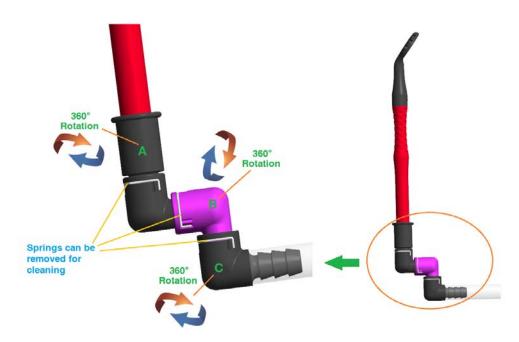
## To a Europe Standard 16mm HVE

Please refer to the steps as below:



#### **3D Rotation**

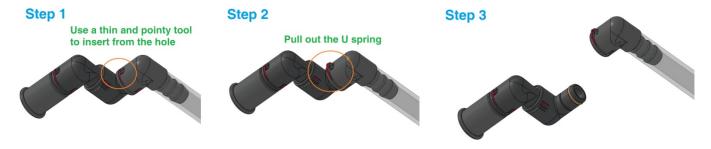
Please refer to the figures as below and follow steps 4 to 5:



- 4. All of "A", "B", and "C" are designed for 360 degrees free rotation. The 3-axis joint design helps to reduce the drag on dentists' hands.
- 5. The springs in connection to "A", "B", and "C" are disassembled for cleaning, or applying silicone lubricant to the parts.

#### How to disassemble 3-Axis Free Rotation Connector

Please refer to the figures as below and follow steps 1 to 3:



- 1. Use a thin and pointy tool (ex: the other side of a bur of slow speed  $\Phi$ 2.35mm) to insert from the hole.
- 2. Pull out the U spring.
- 3. The joints can be disassembled.

#### **Mirror Protective Cover**

Please refer to the figure as below:



- Please put on the mirror protective cap for maximum mirror protection after use.

## Mirror Replacement Procedure for M1, M2, M3 & M7

Please refer to the figure and follow the steps as below:

A: pin hole

B: pin



### Remove the old mirror

- 1. First, take away the **blue PE film** from new mirror and put it on the surface of the used mirror for safety precaution.
- 2. Align the hole "A" with the thimble "B" and press down in the direction of the **C** to push the mirror and the silicone plug out.

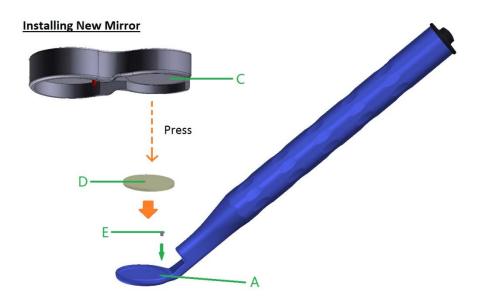
- 3. Tip: Use your thumb to softly press the part where the orange circle is while "A hole" meets "B thimble", then softly pull the handle like step (2) above.
- 4. Or, visit http://www.motranser.com for related product information and video demonstration.

#### Install a new mirror

Please refer to the figure and follow the steps as below:

A: pin hole C: thimble

D: new mirror E: new plug



- 1. Please be sure of putting the Front Surface side of the new mirror facing upward.
- 2. Place "E" new plug and "D" new mirror in the desired position and press "C" toward "Δ"
- 3. Press firmly to ensure the mirror is fully pressed into the socket and remove the **transparent film**.
- 4. Or, visit http://www.motranser.com for related product information and video demonstration.

# **Maintenance**

## **User Guideline**

<b>Dental Mirror</b>	1. Before any use, examine the mirror handle for		
(M1, M2, M3,	cracks and/or other imperfections & flaws.		
M7)	2. Be sure that the mirror has been fully pressed		
	against the edge.		
	1. Insert the light source module into the dental		
	mirror handle and plug with the tail cap.		
	2. After the insertion, use the dental mirror to		
	observe in the mouth.		
<b>Light Source</b>	3. The light source module is for direct/reflective		
Module	illumination.		
	4. If the light source module fails to illuminate, and		
	ensures the batteries have been replaced,		
	discontinue use and replace the Light Source		
	Module.		
	5. Please refer to P.10 and reassemble Light Source		
	module.		
	1. Use 2 standard AAA batteries.		
	2. In considering of environmental protection,		
Batteries	using rechargeable batteries is recommended.		
	3. If the lamp does not illuminate or is dim, please		
	replace the batteries.		
	4. Refer to P.11 for the battery replacement.		
3-Way Adapter	1. 3-Way Adapter is not suitable for autoclave.		
	2. Please do not exceed 5kg/cm2 air pressure.		
M6 Handle	Please make sure the screw is tightened.		
Mirror	Please stop using the mirror if there were any		
	cracks, and replace a new mirror immediately.		
Anti-fog Mirror	Please immerse/soak the mirror in clean water for		
	few seconds before use for better anti-fog effect.		
M7 Mirror	Please make sure the suction mirror handle and		
Handle	the suction tube are fully attached and tightened.		

Or, visit http://www.motranser.com for related product information and video demonstration.

## **Cleaning & Sterilization**

### Cleaning

- 1. Please use a neutral detergent solution for washing and cleaning before sterilization.
- 2. This product is suitable for ultrasonic cleaning.
- 3. M3, M5, M6: Please use surface disinfectant wipes to clean 3 way adapter. This PU tube is not suitable for high temperature sterilization.

### M1-M7 **Dental Mirrors**

#### Sterilization

- 1. Important! Please Steam Sterilize Only.
- 2. Recommended Sterilization Parameters are as follows:

	Class N	Class S	Class B
Temp	121°C	134°C	134°C
	(250°F)	(273°F)	(273°F)
Sterilization	≥15 mins	≥3 mins	≥3 mins
Time			
Drying	Optional	Optional	Optional
Time			

Please wipe the light source with dry soft cloth.



CAUTION Do not sterilize the Light Source

Module or batteries.

### **Light Source** Module

CAUTION Do not immerse or soak the Light

Source Module in any liquid.



**CAUTION** Do not use wet cloth to clean the

Light Source Module, to prevent possible electric leakage.

# Disposal

	Apply a final sterilization and recycle the plastic	
Dental Mirror		
Handle	handle and mirror separately.	
Mirror	71 GL	
U Spring (M7)	SUS 316 FE	
Light Source	Light source module contains electronic	
Module	components, and waste. Its disposal method	
	complies with in accordance with applicable	
	local, state and federal regulations.	
	In Taiwan (R.O.C), please call 0800-085717 or	
	look up (http://recycle.epa.gov.tw) for	
	instructions on how to recycle batteries.	
Batteries	For users outside Taiwan (ROC), contact your	
	local authorities on recycling procedures or go to	
	http://www.rbrc.org/ for recycling information.	
	Dispose of Properly	

### **Trouble Shooting**

Parts	Problem	Solution
<b>Dental Mirror</b>	Mirror blur	1. Wash and clean mirror
Handle (M1, M2,	vision	2. Wipe the mirror surface with a
M3, M7)		new cotton pad
		3. If the problem persist, please
		replace a new mirror
Light Source	No Light	1. Make sure the switch cap is screw
Module		on tightly
		2. Install 2 new AAA batteries.
		3. If no light illuminates, please
		contact your local distributor.
3-Axis Free	Not	Refer to P.16 to see direction of
Rotation	Lubricate	detach procedure and apply Silicone
Connector		Grease.

### Warranty

All Motranser mirrors are guaranteed to be free from defects in material and workmanship when used for their intended dental purpose. All Motranser mirrors have a limited 1-year warranty, which only applies to the system components: air control system/valve, suction connection parts, supplied tubing, mirror holders, and LED light source. Consumables such as mirror handles, mirror heads, mirror lens, mirror cap covers are not covered by the warranty.

Motranser offers a warranty on all of its products based on the useful lifetime of the product. If you purchase a product that is determined to have a manufacturing defect, it will be exchanged if the product is within the stated warranty period for the product from the invoice date. Please your local dealer if you believe that any product you purchased has a manufacturing defect within the stated warranty period from the date of purchase. Any warranty is void if the product has been subject to misuse or abuse, or the proper sterilization instructions, or instructions for use, have not been followed.

## **Warranty Exceptions**

This warranty is void for Motranser instruments and products serviced by any person or facility other than the Motranser Instrument Repair Services. Any custom made, custom etched or neutralized products are not returnable. Warranties are not valid for Motranser instruments and products that prove defective as a result of improper care and cleaning or misuse such as improper installing of new mirrors to cause possible mirrors detached. Instruments or products that are damaged in fire, flood or other acts or disasters are also excluded from warranty.

Except as set forth in these Terms and Conditions, Motranser makes no other representations and warranties regarding its instruments or products, either expressed or implied. In addition, in no event will Motranser be liable for any incidental, special or exemplary damages or loss of profits in connection with the use of Motranser instruments and products.

# **Questions & Information**

For additional information, please contact your local MOTRANSER representative



No.41-3, Fuxing Road, Waipu Vil., Fuxing Township, Changhua County 50648, Taiwan (R.O.C)

https://www.motranser.com

E-mail: motranser@yunghau.com