3M™ True Definition Scanner

Installation Guide

Please read and understand all instructions before carrying out any work!

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1. Basic information

1.1. In general

This Installation Guide describes the procedures and information required for servicing and repairing the 3M True Definition Scanner. Anyone who services the 3M True Definition Scanner in any phase of the product life must read this Installation Guide. Always use the complete original version of this manual. The instructions use cross-references to other sections containing important information. Incomplete copies or copies of individual pages will not provide all the necessary information of the service instructions.

The service technician must have the appropriate qualifications for the installation, service and operation of the 3M True Definition Scanner. If the required knowledge is not available, the service technician must attend a respective training by 3M. The service technician must ensure that the content of the Installation Guide is completely understood.

The service technician is responsible for proper documentation and final control of the service!

1.2. Intended use

The 3M True Definition Scanner Installation Guide is intended to be used by qualified service technicians who have been authorized by the 3M True Definition Scanner Customer Service and Support Team. This document contains proprietary and confidential information of 3M. No part of this document may be duplicated or transmitted in any form without prior written consent of 3M. 3M reserves the right to recover all or part of this manual. It is the responsibility of the authorized technician to return the manual upon request.

Every effort has been made to verify this manual’s completeness and accuracy. 3M makes no warranty or guarantee as to its accuracy or applicability for use. Information in this guide is subject to change without notice.

1.3. Limitation of Liability

Except where prohibited by law, 3M will not be liable for any loss or damage arising from this product, whether direct, indirect, special, incidental or consequential, regardless of the theory asserted, including warranty, contract, negligence or strict liability.

2. Safety

⚠️ Read this entire section before you start working with the 3M True Definition Scanner! It contains important instructions for personal safety. This section must be read and understood by all persons who work with this 3M True Definition Scanner in any phase of the product life to prevent damage to persons and/or material.
2.1. General Safety Information

<table>
<thead>
<tr>
<th>Signal Word</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>WARNING</td>
<td>Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.</td>
</tr>
<tr>
<td>CAUTION</td>
<td>Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.</td>
</tr>
<tr>
<td>NOTICE</td>
<td>Indicates a potentially hazardous situation, which, if not avoided, may result in property damage.</td>
</tr>
</tbody>
</table>

**WARNING**

To reduce the risk associated with fire, explosions or hazardous voltage:

- Before beginning to disassemble the unit, you must make sure that the unit is properly powered down, and the power cord is disconnected.
- Never operate the 3M True Definition Scanner if the power cord, plug or housing is visibly damaged.
- Do not attempt to plug or unplug the power cord from electrical outlet with wet hands.
- Ensure proper Electrostatic Discharge (ESD) protection before servicing the system.
- Never contact any voltage-conducting parts.
- Make sure the protective conductor (inside and outside of the unit) is connected.
- Use only original 3M authorized spare parts intended for the 3M True Definition Scanner.
- Do not plug the 3M True Definition Scanner into an Uninterruptible Power Supply (UPS).
- The system contains a single connection USB - Do not use a USB hub.
- Avoid getting USB connector end wet during the cleaning and disinfection procedure.

**WARNING**

To reduce the risks associated with fire:

- Do not use the scanner wand in the presence of a flammable anesthetic mixture with air, oxygen or nitrous oxide.
- Assure that the system is completely dry after cleaning and disinfecting.

**WARNING**

To reduce the risk associated with cross contamination:

- Read, understand and follow the cleaning and disinfecting instructions in 3M True Definition Scanner User’s Guide.
- Clean the touch screen, bezel (the border that frames the touch screen), the body of the wand and the wand cable before servicing.

**NOTICE:**

To reduce the risk of damaging the 3M True Definition Scanner, please read, understand and follow these notices.

- Do not use ammonia-based cleaners on touch screen, bezel, wand body, and tether cord or cart surfaces.
- Do not unplug the 3M True Definition Scanner before logging out of, and then shutting down, the system. Unplugging without properly shutting down first may corrupt the operating system of the 3M True Definition Scanner.
2.2. Handling the Wand:

NOTICE:
The scanning wand is a highly precise, multiple-lens instrument. Improper handling of the wand, such as dropping, shaking or bumping, could cause the wand to malfunction or break. Always follow these guidelines:

- Exercise great caution when handling the scanning wand.
- Return it to the wand holder when it is not in use.
- Do not kink the cord that connects to the back of the wand.
- Avoid getting USB connector end wet during the cleaning and disinfection procedure.
- Avoid getting the USB cable or cable relief (area where wand and cable connect) wet during the cleaning and disinfection procedure (See cleaning and disinfecting sections, in the 3M True Definition Scanner User’s Guide, should wand get wet).
2.3. Safety at work
It is the responsibility of the Service Technician to observe all national and local government regulations regarding personal safety. The potential for exposure to electrical current must be avoided. Apart from some mentioned exceptions, work is only permitted on the mains free unit. After repair work, all safety related parts must be installed and tested for their function.

2.4. Safety symbols
The safety symbols used in this manual have the following meaning:

<table>
<thead>
<tr>
<th>Meaning of Safety/Regulatory Symbols</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="Read Accompanying Documentation." /></td>
</tr>
<tr>
<td>Follow instructions for use.</td>
</tr>
<tr>
<td><img src="image" alt="Product has been tested to comply with United States Federal Communications Commission (FCC) Class B standards." /></td>
</tr>
<tr>
<td>This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.</td>
</tr>
<tr>
<td><img src="image" alt="Indoor use only." /></td>
</tr>
<tr>
<td><img src="image" alt="Type B applied part." /></td>
</tr>
<tr>
<td><img src="image" alt="AC (alternating current) voltage." /></td>
</tr>
<tr>
<td><img src="image" alt="This system is subject to the European WEEE Directive 2002/96/EC. The symbol is to notify the user of the requirement not to dispose of WEEE (waste electrical and electronic equipment) as trash or unsorted municipal waste and to collect WEEE separately." /></td>
</tr>
</tbody>
</table>
### Meaning of Safety/Regulatory Symbols

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="https://example.com/ETL.png" alt="ETL" /></td>
<td>Product has been tested and certified with electric shock, fire, mechanical and other specified hazards only in accordance with:</td>
</tr>
<tr>
<td>- <img src="https://example.com/UL.png" alt="UL" /></td>
<td>UL 2601-1</td>
</tr>
<tr>
<td>- <img src="https://example.com/CANCSA.png" alt="CAN/CSA" /></td>
<td>CAN/CSA C22.2 601.1S1-94 - Supplement No 1-94 to CAN/CSA C22.2 601.1-M90 Medical Electrical Equipment part 1: General requirements for Safety adopted IEC 601-1 2nd (90), amendment 1 (91).</td>
</tr>
<tr>
<td>- <img src="https://example.com/CANCSA.png" alt="CAN/CSA" /></td>
<td>CAN/CSA C22.2 601.1B-90 - Amendment 2 to CAN/CSA C22.2 601.1-M90 Medical Electrical Equipment part 1: General requirements for Safety adopted IEC 601-1 2ed, amendment 2 (95)</td>
</tr>
<tr>
<td>- <img src="https://example.com/UL.png" alt="UL" /></td>
<td>UL 60601-1: 1st Edition, Medical Electrical Equipment part 1: General Requirements for Safety. If this mark appears with the indicators —CI and —US,‖ the product is certified for Canadian and U.S. markets, meeting the applicable Canadian and U.S. standards.</td>
</tr>
<tr>
<td>- <img src="https://example.com/Compliant.png" alt="Compliant" /></td>
<td>Compliant to IEC 60601-1, 2nd Edition</td>
</tr>
<tr>
<td>- <img src="https://example.com/Compliant.png" alt="Compliant" /></td>
<td>Compliant to IEC 60601-1, 3rd Edition</td>
</tr>
</tbody>
</table>

| ![Two people](https://example.com/TwoPeople.png) | Two-people required when lifting |
| ![No Pushing](https://example.com/NoPushing.png) | No Pushing |
| ![General danger or warning](https://example.com/GeneralDanger.png) | General danger or warning |
| ![Hazardous voltage](https://example.com/HazardousVoltage.png) | Hazardous voltage |

### 3. Required Tools

- 2 mm Hex Wrench (or Bit)
- 3 mm Hex Wrench (or Bit)
- 1/8" Hex Wrench (or Bit)
- 1/8" (3 mm) Slotted screwdriver
- Diagonal Cutter
- Plastic Hook Bungee Cord 21" (54cm)
- 2.5 mm Hex Wrench (or Bit)
- 5 mm Hex Wrench (or Bit)
- Small adjustable wrench
- #1 & # 2 Phillips Screwdrivers (or bit)
- USB Keyboard

### 4. Additional Tools Recommended

- Small torque driver (0-10 in/lb)
- Laptop Computer
- Needle Nose Pliers
- Safety Knife (open PC & display boxes)
- Flashlight
- ESD Wrist Strap (or similar)
5. **Record the Contact Information**

5.1. Record the customer information on the top of the Installation Form.

6. **Inspect the Boxes**

6.1. Inspect each box for damage, and note any on the Installation Form.
7. **Unpack the System**

The system is shipped strapped to a pallet. The Regional Accessory Kit is wrapped on top. There are 2 straps that hold the **system** to the **pallet**, and 2 straps that hold the **Cover** and **Bottom** together with the main system box.

7.1. Remove the Regional Accessory Kit box from on top of the Main System box. Set aside for now.

7.2. Use a diagonal cutter to cut off the 2 straps that hold the Main System box to the pallet. Do **NOT** cut the 2 straps that hold the cover and bottom onto the main system box.

7.3. Slide the main system box off of the pallet and set flat on floor.

Due to size and weight, the main system box requires 2 people to move.

7.4. Use a diagonal cutter to cut off the 2 straps that hold the cover and bottom onto the main system box. Then remove the cover and set aside.

7.5. Remove the airpad cushioning material.
7.6. Remove the **Wand box** and set aside for now.

7.7. Remove the top cardboard spacer and the long vertical cardboard spacer.

7.8. Remove the **HP Touch Display box** and set aside for now.
7.9. Remove the cardboard **Outer Box** by lifting straight up.

It easier to remove with two people.

The **Outer Box** can be folded for easier storage or disposal. (This can be disposed of by placing in trash, or recycle bin)

7.10. Remove the **HP Computer box**, and set aside for now.

7.11. Remove the 2 **cardboard spacers**. (These can be disposed of by placing in trash, or recycle bin).

7.12. Remove the 2 **Styrofoam Spacers**.
7.13. Lift the frame straight up and out of the foam base, and set gently down on floor.

Lift the front and rear simultaneously using **only** the white frame near the casters.

**NOTICE:**
Lift only by the white frame. Do not lift by the side panels, front or rear covers, or rubber cable channel.

**NOTICE:**
Do not lift by the white handle. The handle is only for pulling the system to move while setting on all four casters.
8. Verify input settings on Isolation transformer

The Isolation Transformer is attached to the bottom of the 3M True Definition Scanner cart. From the factory, the Isolation Transformer is set up with an Input of 230 volts, and an Output of 115 volts. The Input setting must be changed based on the specific country power standards.

**NOTICE:**
The Output setting should always be left at 115 volts regardless of the country in which the 3M True Definition Scanner is installed.

**NOTICE:**
The Isolation Transformer uses 2 fuses specific to the Input Voltage required. From the factory, it is configured for 230 VAC with two 3.15 amp fuses. To use with 115 VAC Input Voltage, both fuses must be switched to the 5.0 amp fuses.

To verify the Isolation Transformer settings you must tip the cart on its side to have access.

- Make sure that the power cord is disconnected.
- Do not attempt to change the Input or Output Voltage Selectors while the unit is in use.

8.1. Lock the casters. Then hold near the top of the rear frame and tip the cart sideways.

**NOTICE:**
Lift only by the white frame. Do not lift by the side panels, front or rear covers or rubber cable channel.
8.2. Lay the cart on its side. Use the top cardboard spacer to protect the display mount from hard surfaces.

8.3. Record the Isolation Transformer Serial Number (e.g. WX10112477) on the installation form.

8.4. Use a Phillips Screwdriver to loosen the captured screw on the Isolation Transformer door.
8.5. Swing the door open, then pull **outward** to remove hinge from the hinge slot.

8.6. Replacement **Fuses** are attached to the inside of the door:
- 3.15 Amp for 230 VAC.
- 5.0 Amp for 115 VAC.
8.7. Verify that the **OUTPUT** Voltage is set to **115 volts**.

8.8. Verify in the window that the correct **INPUT** voltage, for your country or region, is displayed (115V or 230V). Follow the next steps to change it to the correct setting and to verify the fuses are correctly seated after shipping.

8.9. Remove the **Input power cable** (located next to the power switch).
8.10. Use a small straight blade screwdriver to press in, and lift, the fuse holder cover.

8.11. Use the same small straight blade screwdriver, in the slot on the side of the RED fuse holder, to gently lift the fuse holder until it can be reached using your fingers.
8.12. The Isolation Transformer uses 2 fuses specific to the **Input Voltage** required. Along with the 2 fuses to be installed, there are 2 extra fuses of each size for future replacement if needed.

- From the factory, the transformer is configured for **230 VAC** with two **3.15 amp** fuses.
- To use with **115 VAC** Input, both fuses must be switched to the **5.0 amp** fuses.
- Verify the **correct** fuses are properly installed (follow the next steps as needed).
- Dispose of the **incorrect** fuses so they are not accidentally used in the future.

![Diagram showing fuse settings for 230 VAC and 115 VAC inputs]

8.13. The fuses are secured on one end, and free floating on the other end.

As the fuse holder is inserted into the Isolation Transformer, the fuse **free end** is held against contacts along the side of the fuse block.

The **Fuse Stop Tab** prevents the fuses from shifting position as you reinsert the fuse holder.
8.14. To replace the fuses, gently raise the free end of the fuse and pull up and out.

8.15. Inspect the Fuse Stop Tab to make sure it was not bent out of position.

8.16. To install the fuse, reverse step 8.14 above. When the fuse is correctly installed, it should look like the image in step 8.13.

8.17. Rotate the fuse holder 180 degrees as needed to place the correct voltage indicator into the window (toward the bottom of the Scanner Cart).
8.18. Place the fuse holder back in to the fuse block and **press down** to fully seat.

8.19. Close the fuse holder cover and make sure it clicks in place.

8.20. Verify the OUTPUT switch is in the 115 V position. (always set to 115 volt)

*NOTE: This may be sealed with Tape in the future.*

Verify input settings on Isolation transformer 3M™ True Definition Scanner
8.21. Insert the Input power cable.

8.22. Verify the power switch is ON.

8.23. Reinstall the **door** on the Isolation Transformer. Use a **Phillips Screwdriver** to tighten the **captured screw** until it is fully seated.

8.24. Return the 3M True Definition Scanner cart back to its upright position.

**NOTICE:**
- Lift only by the white frame.
- Do not lift by the side panels, front or rear covers or rubber cable channel.
9. **Install the Computer**

The computer is shipped in the original HP computer box. The computer is installed into the 3M True Definition Scanner cart from the rear. The computer DVD drive will be positioned toward the bottom of the cart to allow access from the front of the 3M True Definition Scanner.

9.1. Unpack the HP Computer.

9.2. Record the **Computer Serial Number** on the installation form.

   The serial number is located in two places.
   - The first is on the main label (on top of computer),
   - the second along the back edge of the computer case.
9.3. To open the **Rear Cover**, use a 3 mm hex wrench (or bit) to remove the 5 socket head screws.

9.4. The rubber cable channel has two seals, one above, and one below the **Rear Cover** opening.

To raise the **Rear Cover**, the rubber cable channel must be pushed downward into the opening.
9.5. Squeeze the rubber channel inward, and use your finger tips to push the upper seal downward into the rear cover.

Start with the center and work toward rear most edge, and then back up to the front edge.

Reach a hand up under the Rear Cover to hold the rubber channel from slipping back into place, and to pull downward gently.

**NOTICE:**
Do not use a screwdriver, or other sharp object, to push the upper seal into the rear cover or damage may occur to the seal.

9.6. Use a **plastic hook** bungee cord to hold up the Rear Cover while you install the computer.
9.7. Use a **3 mm** hex wrench (or bit) to remove the 2 Socket Head screws (with 2 Internal Tooth Lock Washers) from the computer bracket (located under the rear cover).

9.8. The ends of the cables are shipped inside the rear cover from the factory (see image to right).

Gently pull the cable ends out of the cart to make room for the computer.
9.9. There are 6 cables to be attached to the computer after it is installed.
   - Wireless antenna cable.
   - DVI cable.
   - USB cable.
   - USB 3 Cable (blue)
   - Audio cable.
   - 115 volt power cable from the Isolation Transformer.

9.10. Look inside toward the Front Cover. Verify the **Wireless Antenna** is correctly seated in the bracket, with the cable pointing to the side.

Place the end of the wireless antenna cable over the top of the Rear Cover to help keep it out of the way as you install the computer.

Note the **Computer Centering Blocks** on the front frame. The front of the computer will need to be slid between these when inserting the computer.
9.11. Move the cables to either side to make room for the computer to be inserted.

Loop the **wireless antenna** cable, and the **115 VAC power** cable, over the **Rear Cover**, and above the rear **computer centering block**.

Note the front **computer stop pegs**. These prevent the computer from being inserted too far and causing stress on the **Front Cover**.
9.12. The **Front** of the computer goes in first. The fan should be near the bottom, and the DVI port near the top.

- Be sure the **wireless antenna** cable, and the computer 115 VAC power cable, are **above** the side computer centering block as you insert the computer.
- Insert the computer until it reaches the front stop pegs.
9.13. Look at the position of the computer from the front of the cart.

- The front of the computer may not be exactly centered left to right to allow for the DVD drive door to open.
- The computer should be in contact with the front cover. If there is a **gap** along the lower half of the cover, the computer may be hitting the **front frame centering blocks**. In that case, adjust the computer front slightly left or right and then push further into the cart.
- Verify there is clearance for the DVD drive door to open.
- Note the location of the **Power On** button.

9.14. Reinstall the computer bracket using the original 2 Socket Head screws and 2 Internal Tooth Lock Washers.
9.15. Attach both wireless antenna leads (sequence does not matter) using a small adjustable wrench - Do not over tighten.

It is best to install the antenna leads first so that you can easily reach them with your fingers.

9.16. Connect the 115 VAC power cable to the computer.

9.17. Feed any excess wireless antenna cable, and the computer’s 115 VAC power cable, into the space alongside the computer above the frame centering block.
9.18. Insert the black **USB 2 cable** into any one of the standard USB ports marked with:

9.19. Insert the **Blue USB 3 cable** into any one of the **Blue USB 3 ports** marked with:

9.20. Connect the **DVI** cable firmly to the DVI port (finger tight).

9.21. Insert the **audio** cable into the **green** audio port.

9.22. Feed any **extra** cable lengths into the space **alongside** of the computer.

**NOTICE:**
There **MUST NOT** be any cables hanging in front of the **Cooling Fan**.
9.23. When all cables are attached to the back of the computer, remove the **bungee cord** and lower the rear cover close to its final position.

9.24. Start at the rear and work toward the front edge along both sides.

Using your finger tips, squeeze the rubber channel inward, and upward, pulling the top seal out of the rear cover.

**NOTICE:**
Do not use a screwdriver, or other sharp object, to push the upper seal into the rear cover or damage may occur to the seal.

9.25. Inspect both sides of the **collar** to make sure the rubber channel has not pulled part of the way out.

If so use your fingers to press it back in.

**NOTICE:**
Do not use a screwdriver, or other sharp object, to push the upper seal out of the rear cover or damage may occur to the seal.

**NOTICE:**
Do **not** secure the rear cover with screws until the **Touch Display** has been installed and you confirm there is enough cable length.
10. Install the Display and Accessory Bracket

The HP Touch Display is shipped in the original HP box. The Accessory Bracket and Holders are shipped inside the 3M True Definition Scanner Regional Accessory Kit box.

Installing the display is done in 3 steps:

- Place the Accessory Bracket onto the Pivot Mount.
- Attach the Touch Display to the Pivot Mount.
- And finally attach the 5 cables to the back of the Touch Display.

10.1. Image showing Accessory Bracket and Holders attached.

10.2. Unpack the HP Touch Display. Lay it screen down on a clean, flat surface.

10.3. Record the Serial Number, located on the back, lower right corner of the display, on the installation form.
10.4. From the Regional Accessory Kit, remove the following:
- 1 Accessory Bracket,
- 2 Wand Holders,
- 1 Sprayer Holder,
- 1 USB 3 cable mounting block.

10.5. Mount the **Sprayer Holder** to the rear side of the **Accessory Bracket** using the 2 phillips head screws provided.

10.6. Mount the **USB 3 cable mounting block** to the rear side of the **Accessory Bracket** using the 3 flathead screws provided.
10.7. Lock the four casters to prevent the cart from moving as you install the Accessory Bracket and Touch Display.

10.8. Tilt the Display Pivot Mount up (back) as far as it will go.

10.9. Remove the four mounting screws from the back of the display. Keep them close by for easy access while mounting the Accessory Bracket and Display.

10.10. Place the Accessory Bracket over the Display Pivot Mount and insert 2 of the screws for attaching the display, into the top two holes.

The weight of the Accessory Bracket will hold the screws in place until you attach the Display.

NOTICE: Use care not to dislodge the Accessory Bracket or tip the Display Pivot Mount downward.
### 10.11. Install the Display and Accessory Bracket

Standing near the rear of the cart, move the **Touch Display** into place, using care not to dislodge the **Accessory Bracket** or tip the **Display Pivot Mount** downward.

Thread the top two screws partially into the display to secure the bracket and display from falling.

Insert the bottom two screws. Then tighten all four screws firmly.

### 10.12. Connect the Cables

There are 4 cables to be attached to the **Touch Display** after it is installed.

- DVI cable.
- USB cable.
- Audio cable.
- 115 volt power cable from the Isolation Transformer.

There is one cable to be attached to the USB 3 cable mounting block on the **Accessory Bracket**.

- USB 3 bulkhead coupler (blue cable)

### Diagram

- 115 VAC to Display
- USB to Display
- Audio to Display
- DVI to Display
- USB 3 bulkhead coupler for Wand
10.14. Install the **USB 3 bulkhead coupler** to the **USB 3 cable mounting block** on the **Accessory Bracket** using the 2 screws installed in the mounting block.

**NOTICE:**
When installing, do not cross thread, or over tighten the screws.
10.15. Attach the display cables per the labels on the back of the display.

Since the **Accessory Bracket** blocks most of the labels, refer to the images to the right.

- DVI cable.
- Audio cable.
- USB cable.
- 115 volt power cable from the Isolation Transformer.

10.16. Gather all 5 cables into the **Cable Organizer**, and attach the cable secure stop to the back using the 2 screws provided.

10.17. Verify the **Cable Channel End Boot** is fully seated over the cable channel.

10.18. Test cable length by rotating the **Display** fully left and right and observe that no kinking or stretching occurs.

- Adjust the length as needed by pulling more cable through the **Cable Channel**.
- Excess cable can be fed back through toward the computer, and then stored alongside the computer (see Step 9.22).
10.19. Re-attach the **Rear Cover** you removed in Step 9.3.

- Make sure the **Cover** is fully seated in the **groove** before tightening the screws.
- Loosely install the **bottom** (shorter) screw first.
- Then install the remaining 4 screws (5 screws in total).
- Tighten firmly, but do not over tighten.
11. Install the Wand Holders

The 3M True Definition Scanner comes with two **Wand Holders** to be attached to the **Accessory Bracket** (see Step 10.4)

11.1. The **Wand Holders** are identical and can be adjusted to work on either the right or left side of the display.
   - The **Knurled Knob** is used to attach the holder to the **Accessory Bracket**.
   - The **Guide Pin** helps to level and support the holder.
11.2. Attach the **Wand Holders**, one on either side, using the **Knurled Knob** and bolt. Tighten firmly.

11.3. Loosen the **Adjuster Screw**, and pull the wand holder outward to rotate 180 degrees as needed. Tighten the **Adjuster Screw** firmly, but do not over tighten.
12. Install the Wand

Unpack and install the Wand.

12.1. Unpack the 3M True Definition Scanner Wand.

12.2. Record the **Wand Serial Number** on the Installation Form. There are spaces to record up to 3 wand S/Ns if additional wands were purchased.

   The **Serial Number** is located on a label near the USB 3 connector and boot.

12.3. The Wand’s **USB 3 Cable** is plugged into the USB 3 port mounted behind the display.
12.4. Steps to connect the Wand:

- Start inserting the Wand’s USB 3 connector, at a slight angle into the USB 3 port.
- Insert fully to the right until the Wand connector boot clears the edge of the mounting block.
- Press the end of the boot towards the display to secure it inside the edge of the mounting block.

**NOTICE:**
To disconnect the Wand, reverse the above steps.

12.5. Place the Wand into either one of the Wand Holders (refer to image in Step 10.1)
12.6. Inspect the system to make sure all covers are attached securely.
   - Verify again that the **Display** can be rotated fully right and left without strain on the cables.

12.7. The **Power Cord** is included in the **Regional Accessory Kit**. Attach the **Power Cord** to the back of the cart near the bottom of the frame.

13. **Record the System Serial number**

13.1. Record the System Serial number (SN) (e.g. S1230002) on the installation form.
14. Unpack the remainder of the Regional Accessory Kit

14.1. The Regional Accessory Kit contains:

- 3D Glasses (red and blue lenses)
- Boxed C.O.S. Sprayer and powder
- Regional Power Cord
- Accessory Bracket, 2 Wand Holders, 1 Sprayer holder.

*If anything is missing, call Customer Support.*

Follow the Sprayer instructions for use.

14.2. Unpack the Sprayer and unscrew the top (purple) cover using the supplied screwdriver, install the 9 volt battery, re-attach the cover, pull the trigger and listen for the buzz of the motor.

14.3. If there is no buzzing sound, call Customer Support.

14.4. Record the 8 character Lot number of the Sprayer (bottom of handle) on the installation form.

14.5. Put the Sprayer in the holster.

14.6. Repack the remaining Sprayer parts into its shipping box, and put it back into the Regional Accessory Kit box.

14.7. Record the name of the person the Regional Accessory Kit box is given to on the installation form, and instruct that it will be needed when the 3M True Definition Scanner Clinical Trainer comes for training.
15. Power On

15.1. Move the 3M True Definition Scanner near the Wireless Access Point that will be used.

15.2. Connect the power cord to the 3M True Definition Scanner and plug it into a properly grounded wall outlet.

15.3. Press the Power On button on the front of the 3M True Definition Scanner computer for one second to turn it on.

**NOTICE:**
Be sure not to hold the power button down for more than one second. Some systems will power on, but not start, if the power button is held for more than one second.

16. Log In

16.1. Using the Touch Display, press to highlight the User, Admin

16.2. Enter the PIN: 1111

16.3. Press Login
16.4. When the **Home** screen is displayed, press the **Management** button.

17. **System Info**

17.1. Press the **System** tab

17.2. Press the **System Info** button

17.3. Record the OS and Software versions on the **installation form**.
18. Time Zone and Date Format

18.1. Press the Settings tab.
18.2. Press the Localization button.
18.3. Verify the Language and Country (these changes require a reboot).
18.4. Select the appropriate Time Zone and record it on the installation form.
18.5. Select the appropriate Date Format (for the US, use month/day/year, ‘/’ not ‘-’).
18.6. Press the Save button.
19. Configure Network

NOTICE:
You will need a USB keyboard attached to the USB 3 port on the rear of the system in order to enter the wireless security key. Detach the wand, and attach the keyboard.

19.1. Press the Maintenance Tab
19.2. Press the Wireless Button
19.3. Press the Configure Wireless button. A Network Connections window opens.
19.4. Press the Wireless tab.
19.5. Then press the Add button (or Edit button if you have previously configured).
19.6. Work with the office **Network Administrator** to configure the **Wireless SSID**, required **Wireless Security**, and **IPv4 Settings**. Example images below show a simple WEP key used.

19.7. **IPv6 Settings** should be left as default method **Automatic** unless the office has specifically updated their network to IPv6.

19.8. Press **Save** when all settings have been made.

19.9. Press **Close** to close the **Network Connections** window.
20. **Network Test**

20.1. Press the **Maintenance** tab

20.2. Press the **Wireless** button

20.3. Press the **Network Test** button and record the result on the **installation form**.

20.4. If any failures are reported, contact Customer Support for assistance.

20.5. Press the **Home** button on the upper left of the screen to return to main window.
21. Setup and Test Remote Access

You must contact Customer Support for your region to help setup TeamViewer remote access, and to test the remote service access via TeamViewer, and via standard Tunnel Commands.

**Note:**
You will need a keyboard attached to the USB 3 port on the rear of the scanner in order to enter some information for the TeamViewer configuration.

21.2. Press the Help Line button.
21.3. Press the Start Session button.

![TeamViewer Configuration Window]

21.4. The window should report that the Help session is currently in progress. If you receive an error, report it to Customer Service. After about 5 to 10 seconds, the TeamViewer window will open.
21.5. Under the TeamViewer **Extras** menu, select **Options**:

21.6. In the TeamViewer **Options** window, select **General**. Set **Your display name** for this device. This will usually be the **serial number** of the cart (eg: S1221001).
21.7. In the TeamViewer Options window, select Security. Change the Predefined password (for unattended access) to the number 8112, and confirm. This allows the Customer Service group to access the system without requiring the office to report the password each time they open a Help Line.

21.9. In the TeamViewer **Options** window, select **Advanced**, then select the **Show Advanced Options** button. In the **Check for New Version** dropdown list, select **Never**.

![TeamViewer Options Window](image1.png)

21.9

21.10. Scroll down to the **Advanced settings for connections to this computer** section. Then **Check** the box to **Automatically minimize local TeamViewer Panel**. This option minimizes the TeamViewer panel once the Customer Service person connects remotely to this computer.

![TeamViewer Advanced Settings Window](image2.png)

21.10
21.11. Scroll all the way down to the bottom **TeamViewer options** section. To protect these options from accidentally being changed, enter the same password as above (section 21.7) and confirm.

21.12. Press **OK** to close the **TeamViewer options** window.

21.13. Disconnect your keyboard, and reconnect the **Wand cable** to the **USB 3** port on the rear of the scanner.

21.14. Work with the **Customer Support** person to finalize any testing or make any additional changes.

### 22. Shut Down

Once the **Customer Support** person has completed their required tests and given you the OK to finalize the install, you may shut down the system.

22.1. Press the **RED** Shutdown/Logout button in the upper right corner of the screen.

22.2. Select **Shutdown**.

22.3. Select **After Uploading**, and leave the system plugged in. The system will upload and download information and then turn off when completed.
22.4. Record the time it took to complete this procedure on the *installation form*.

23. **Record Names and Signatures**
   23.1. Both the customer and you sign, print your names, and date the *installation form*.

24. **Distribute the Completed Installation Form**
   24.1. Follow the distribution instructions on the *installation form*. 