



ReTouch

User Manual

Revision B
2020-11

User Assistance Information

For maintenance or assistance with the device, contact Rehabtronics, Inc. at:

1-800-481-3214

For health-related concerns, contact your health care professional.

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General Safety & Device Information

Symbol Conventions

Symbol	Meaning
	Warning
	Caution
	Pinching Hazard
	Read Instructions
	Do not dispose with household waste

ReTouch Safety Information

Warnings

Safety warnings are important instructions that, if not followed, may lead to irreparable damage to the ReTouch, or severe injury. The following warnings should always be followed:

-  Do not use other cables or power-adaptors other than those supplied with the ReTouch.
-  Do not operate the device near water or other liquids.
-  To avoid risk of electrical shock, the ReTouch should always be connected to an outlet with a protective earth.
-  Never attempt to disassemble or service the ReTouch or any of its components.

Precautions

Safety precautions are instructions that should be followed in order to avoid minor injury or damage to the ReTouch.

- ▲ The system is very heavy. Exercise caution when unpacking or moving.
- ▲ Do not lean or hang anything on the ReTouch - it is not intended to support weight.
- ▲ Use only under clinician supervision – Overuse can result in physical exhaustion or injury.
- ▲ Do not use outside of recommended operating conditions. The ReTouch is intended for use in indoor environments only. Operation in other environments may affect performance or damage the device.
- ▲ Ensure that the ReTouch is properly installed prior to each use:
 - Always check that the wheel locks are engaged to prevent unwanted movement of the device.
 - Ensure that floor is flat, stable, and sturdy enough to support the weight of the ReTouch.
- ▲ Exercise caution while using and handling the ReTouch.
 - Ensure adequate space when operating to avoid collisions with other objects or bystanders.

- Do not place your hands or fingers in the ReTouch stand mechanism.

Purpose of the Device

The ReTouch system combines interactive gaming software with a large touch-screen interface, allowing patients to conduct rehabilitation exercises while playing a wide assortment of games.

The ReTouch offers a wide assortment of games, intended to help train in one or more of the following areas:

- Upper-Extremity Motor Function - Games that encourage movement of the hands and arms to help retrain and condition muscles.
- Visual-Field Training – Games that require increasing visual-field acuity as difficulty increases.
- Cognition Exercises – Games that challenge cognitive abilities with puzzles and memory tasks.

System Components

The ReTouch System has three main component parts (see Figure 1 on the following page):

1. The Touch-Screen
 - Allows intuitive interaction with the software using the fingers, hands or optional styli.
 - Electric controls that allow simple adjustment of the height and tilt of the Touch-Screen.
2. The Computer
 - Runs the interactive ReTouch gaming software.
3. The Adjustable Stand
 - Locking wheels for easy placement and movement.



**Not Shown Above: Wireless Stand Remote
Display Touch-Screen Remote*

Figure 1: ReTouch Hardware Components

Operating Instructions

NOTE: Installation of the ReTouch requires an unobstructed, flat, sturdy floor surface at least 150cm (59") wide and 130cm (51") deep, with a 120V power-supply outlet located within 5-feet.

Setup Instructions

1. Disengage the locks on the wheels of the stand and wheel the ReTouch to the desired location and orientation.
2. Engage the locks on each of the wheels of the stand to prevent unwanted rolling of the stand.
3. Plug in the ReTouch to the wall-outlet.
4. Use the controls on the right side of the Touch-Screen to adjust the height and tilt of the screen surface to a comfortable, accessible position.
5. Turn on the computer. The computer is a small box mounted to the back of the touch screen. Wait for the operating system to load.
6. Turn on the touch screen. The power button is located on the right side of the screen. Touch once and it can take up to 12 seconds to switch on.
7. Double-tap the ReTouch icon on the Touch-Screen to launch the rehabilitation gaming software.

ReTouch Software

General Navigation

Most screens in the software include the following buttons:

Button	Description
(quit)	Click this to exit the program at anytime. Progress will be saved automatically.
(main-menu)	Click this to return to the Main Menu.
(help)	Click this to open help text about the current screen.

Rehabilitation Games

The ReTouch software offers a variety of games that challenge patients to exercise cognitive, visual-field and/or upper-mobility functions. The games are grouped according to the challenges they present. Select games appropriate to the rehabilitation goals of the patient.

NOTE: The ReTouch software does not maintain any patient or game-score data. The settings and scores will be reset every time the software is restarted.

Shutting Down/Turning Off The ReTouch

1. Quit the ReTouch software.
2. Starting on the furthest right point on the Touch-Screen, slide left quickly to show the Windows menu.
3. Touch the Settings icon at the bottom of the menu.
4. Touch Power.
5. Touch Shut Down.
6. Touch the Power button on the right of the Touch Screen to switch the screen off.

Maintenance

Moving the ReTouch

1. Turn off and unplug the ReTouch from the mains outlet.
2. Disengage each of the lock latches on the Adjustable Stand's wheels.
3. The ReTouch can be can be wheeled using two hands and supporting it by the stand. Cover the electrical components to protect them as necessary.

Storing the ReTouch

1. Lower the adjustable stand to its lowest position
2. Tilt the screen such that it is vertical
3. Put the protective cover on top of the touch screen.

Cleaning & Disinfection

Commercially available LCD cleaning kits may be used to remove finger-prints or debris from the Touch-Screen, but such cleaners are insufficient for disinfection.

Regular cleaning & disinfecting of the ReTouch Touch-Screen ensures that no bacteria or viruses are transmitted during use of the device. If the ReTouch is

to be used by multiple people, it is recommended that the Touch-Screen be disinfected between uses.

Cleaning and low-level disinfection of the Touch-Screen can be done using a diluted alcohol solution (50/50 isopropyl & distilled water), or alcohol-based disposable disinfecting wipes such as Virox or CaviWipes™. Use a soft cotton or micro-fiber cloth to avoid scratching the screen.

 **WARNING: DO NOT saturate or immerse the device when cleaning. Wipe any excess liquid from the device immediately.**

Software Updates

The software will check for updates automatically each time the program is run.

The auto-update requires that the computer be connected to the internet.

Troubleshooting

This section lists common questions and issues that can arise when using the ReTouch system. In case the answers given are insufficient, or you experience other issues, please contact our support staff (see Contact Information in the following section).

Issue: I already have my own personal computer. Can I use it with the ReTouch?

No. The software is pre-installed on the supplied computer only. This is done to ensure that the system has adequate hardware requirements, and that there are no software or operating system conflicts.

Issue: The application is slow to respond or there is a problem with the software.

Close the application and reboot the computer. If the problem persists please contact customer support as detailed in the following section.

Issue: The hardware is not responding or is behaving unpredictably.

Do the following:

1. Ensure that all the cable connections are secure.
2. Reboot the computer.
3. Ensure that the LCD Touch-Screen is turned on.

4. If the problem persists, there may be an issue with the hardware. In this case, please contact our customer support as detailed in the following section.

Customer Support

Contact ReTouch customer support via any of the following channels:

Phone: 1-800-481-3214

Email: support@rehabtronics.com

Website: www.rehabtronics.com

Technical Specifications

General Specifications

ReTouch Model	2.0
Storage and Transport Conditions	-18°C to ~60°C (32°F to ~140°F) 15% to 90% Relative Humidity (non-condensing)
Operating Conditions	5°C to 35°C (41°F to 95°F) 25% to 90% Relative Humidity (non-condensing) 101kPa to 81kPa (approximate altitude pressures between sea-level and 1,950m (6,398 feet))
Power	5.0 A Max 120VAC, 60 Hz

Display Specifications

Screen	55"
Resolution	3840 x 2160 pixels
Brightness	500cd/m ²
Vision Angle	178°
Contrast	3000 : 1
Protection Level	IP55
Working Temp.	-40°C~+50°C
Working Humidity	5%~100%
Working Voltage	120V± 50HZ