Multi-Therapy System

User Manual



Black Edition

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Warning

To reduce the risk of fire or electric shock, do not expose this system to water, rain or moisture.

To prevent fire or electric shock hazard, do not place a container filled with liquid on the top of any column.

To avoid electrical shock, do not open any column's cabinet.

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System Components

The Multisensorial Therapy System includes:

- 1. Therapist's Tablet
- 2. Patient's Tablet
- 3. Left Column with the base
- 4. Center Column with the base
- 5. Right Column with the base
- 6. AC power cord



7. Aux Cable



8. Micro USB cable x2



9. DB-15 cable x2



10. Audio Cable x2



Getting Started

Position the System

In a room with open space, with a minimum of 6.5 feet in height., 10 feet in diameter.



Connecting the Columns

Connect the columns using the DB 15 cables and the audio cables.





Turning the System Power ON or OFF

Press the switch found to the right side of the center column to turn the POWER ON. A GREEN light will turn on, next side to the switch.



Private Wi-Fi signal to the System.

After the System is powered on, wait at least 5 minutes for the system to boot up. An ORANGE light will turn on, to the left side close to the USB ports.



Power and Connect the Therapist's Tablet

The Therapist's tablet is the White tablet; it can be connected through the micro USB cable or with the internal battery.

To charge the battery, connect the micro USB cable for 4-5 hours before use.

To power on, press the switch on the top side. The screen will turn on and the operating system will start to boot up.



When the operating system finishes booting up, the PROGRAM will automatically open, check Wi-Fi is connected to "therapywifi" signal. If not, wait at least 5 minutes.



In the PROGRAM, press the connect button. A new window will open to connect the tablet to the system. A bar will be filled when both are connected.



To Power OFF the tablet, just like a personal computer, press Start and scroll down to "Shutdown...", then a new window appears to select Shut Down or press the switch on the top side.



Power and Connect the Patient's Tablet

The Patient's tablet is the Black tablet attached to the system. Connect through the micro USB cable or use an external battery bank (sold separately).

To Power ON just connect the tablet to a USB port. The screen will turn on and the operating system will start to boot up.

Connect the aux cable to the patient's tablet and the system.



When the operating system finishes booting up, the PROGRAM will automatically open, check Wi-Fi is connected to "therapywifi" signal. If not, wait at least 5 minutes.



In the PROGRAM press the connect button, a bar will be filled when both are connected.

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Connect]	
Begin to Connect Connected		

To Power OFF the tablet, just like a personal computer, press Start and scroll down to "Shutdown...", then a new window appears to select Shut Down or press the switch on the top side.

Full Connection Between the System and the Tablets

If both tablets are connected to the "therapywifi", press the connect button. A Blue light will turn on.



Hardware

Light The System has 9 circular LED Rings



Multi-color, up to 9 different colors can be displayed.

Ultrasonic sensor can register a hand at approximately 10-15 cm (4-6 inches).



Speakers The System has two speakers, one in each side column.



Odor

The System has an Odor module to which different scents can be attached.

A fan is used to spread the scent.



Software

Therapist's Tablet

This is the Main Software, where all the therapies can be controlled.

🕌 Control de Terapias	- 🗆 X
Control de Terapias	Descripción
Connectar	Rutina de Estimulo Visual
Imágenes con Sonidos Olor	
Rutinas de luces	
Sonidos	Limpiar Pantalla
Vol Vol +	Sobre nosotros Cerrar

The action buttons will select any therapy condition to start. The description box opens a brief description of the selected command. In addition to this, it will present a log of the actions that are occuring. Therapy results will be shown.

WARNING: If the tablets are connected to the system, DON'T CLOSE THE PROGRAM IF YOU'RE NOT FINISHED! Uf you close the program before quitting, the connection will be lost, and the System must be restarted.

The main menu will have the modules selection buttons that will open a new window to specify what therapy will start. (The program's action button is written in Spanish because this is the principal language in Puerto Rico).

List of the main menu buttons

• "Conectar" (Connect) – This button opens the connection window to connect the system.

- "Imágenes con Sonido" (Image with Sound) This button opens the image selection window to be able to select the image category to use.
- *"Rutinas de Luces"* (Light's Routines) This button opens the routine selection window to be able to select which routine to activate and for how long it will be active.
- "Sonidos" (Sounds) This button opens the sound selection window to be able to select what speaker to play a sound from, or to play a random sound.
- "Olor" (Odor) This button sends data to the server to activate the fan.
- "Vol--" This button will decrease the volume of the Patient's tablet.
- *"Vol+"* This button will increase the volume of the Patient's tablet.
- *"Cerrar"* (Close) This button will close the program.
- *"Sobre Nosotros"* (About Us) This button will display the program information and the contact information of the team members who developed this project.
- "Limpiar Pantalla" (Clean Screen) This button will clear the description box.

Routine

Stop and Go: A random LED Ring is turned on at a random position and a random color that might be red or green. If the LED Ring color is green, the user must identify where the light comes from using their peripheral view. If the LED Ring color is red, the user must wait 2 seconds until another R=LED Ring is turned on.

Find Me: A random LED Ring is turned on at a random position with a random color. The patient must identify with the hand where the light comes from only using their peripheral view. The time the routine runs is determined by the therapist.

Selection of Image with Sound: In the patient's tablet, up to two random images will appear with a sound or various sound. The patient selects the image that matches the sound.

Selection of Sounds only: In the patient's tablet, a random sound will appear. The patient will hear and tell what kind of sound was heard.

Patient's Tablet



This is the first window shown in the Patient program. Press the Connect button to connect to the system.

The second window will appear when the routines of Image and Sound will be activated.

WARNING: If the tablets are connected to the system, DON'T CLOSE THE PROGRAM IF YOU'RE NOT FINISHED! Uf you close the program before quitting, the connection will be lost, and the System must be restarted.

Troubleshooting

POWER				
System does not turn ON	Check that the system is plugged into an electrical outlet.			
	• Check that the power cable is properly connected to the system.			
Patient's tablet does not turn ON	• Check that the micro USB cable is connected to the tablet.			
	• Reconnect the micro USB cable.			
Therapist's tablet does not turn ON	• Charge the tablet's battery for at least 3 hours.			
	• Connect the micro USB cable.			
CONNECTION				
Speakers have no sound	Check the Audio cables are connected.			
	• Check the Volume of the Patient's Tablet.			
	• Increase the Volume on the Therapist's Tablet.			
LED rings do not light up	Check that the DB-15 cables are properly connected.			
	• No routine is running.			
	• RESET the system and both tablets.			
Does not detect the hand	• Check that the DB-15 cables are properly connected.			
	• No routine is running.			
	• RESET the system and both tablets.			
SOFTWARE PROGRAMS				
Is connected, but the routines do not work	Check if the Blue Light is turned ON.			
	• Check if any previous routine is still running.			
	• Check if the connection is lost.			
	• RESET the system and both tablets.			
The image routine does not work properly	• Check if any previous routine is still running.			
	• Check if the sound of the image is finished.			
	• RESET the system and both tablets.			
Will not connect to the <i>therapywifi</i>	• Disconnect the tablet from any other network.			
	• Connect with the PASSWORD: <i>besamijo</i>			
	• RESET the system and both tablets.			
Accidentally close the program	• RESET the system and both tablets.			
The fan does not work properly	• Check if any previous routine is still running.			
	• RESET the system and both tablets.			