

cognivue thrive<sup>®</sup>  
Computerized Cognitive Screening Device

# User Manual

# Cognivue Thrive® User Manual

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# Cognivue Thrive® User Manual

## 2 About This Guide

This User Manual contains information that describes the operation of Cognivue Thrive®.

Additional information can be found at [www.cognivue.com](http://www.cognivue.com).

Cognivue Support personnel can be reached via at 1-585-433-2992 from 9-5 pm ET or by emailing [support@cognivue.com](mailto:support@cognivue.com).

*UM-520-B Cognivue Thrive® User Manual 5/7/2024*



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## 3 About Cognivue Thrive®

Cognivue Thrive® is a computerized cognitive assessment aid to evaluate cognitive function objectively, quantitatively, and reliably. Cognivue Thrive® relies on a series of 6 subtests. Using the results from these subtests, Cognivue Thrive® creates short, easy-to-interpret reports. The report shows three cognitive domain scores: Memory, Visuospatial, and Executive Function. Below these are two metrics on Reaction Time and Speed Processing. Normative ranges appear below the visual of each cognitive domain score and metric. These segment into classifications of good, moderate, or poor ability. These cognitive performance scores provide a baseline for future comparison and enable discussion between the clinician and the test-taker about cognitive health.

### 3.1 Intended Purpose

Cognivue Thrive® is indicated for use as an adjunctive tool for evaluation cognitive function in ages 18 and over.

### 3.2 Indications for Use

Cognivue Thrive® is indicated for use as an adjunctive tool for evaluating cognitive function in ages 18 and over. It is not a stand-alone diagnostic tool. The device results are to be assessed and interpreted by a licensed clinician.

### Warnings

- 1) Cognivue Thrive® does not identify the presence or absence of clinical diagnoses.
- 2) Cognivue Thrive® cannot be used as a stand-alone diagnostic.
- 3) Cognivue Thrive® is intended to be used in clinical professional offices or similar settings.

### 3.3 Clinical Reference Information

Cognivue Thrive® is based on the same technology as Cognivue® Advanced and Cognivue® Clarity. Cognivue Thrive uses a subset of the Cognivue Advanced® algorithms to provide a similar breakdown of cognitive scores in a shorter duration test.

Cognivue Thrive® algorithms have been compared vs. Cognivue Advanced® in a clinical trial with 100 subjects. The correlation between Advanced and Thrive was in the same category of Advanced vs. Advanced, which was statistically significant (moderate positive 0.57), and Thrive's test reliability was high positive (0.74).

Additional information is available in the following references:

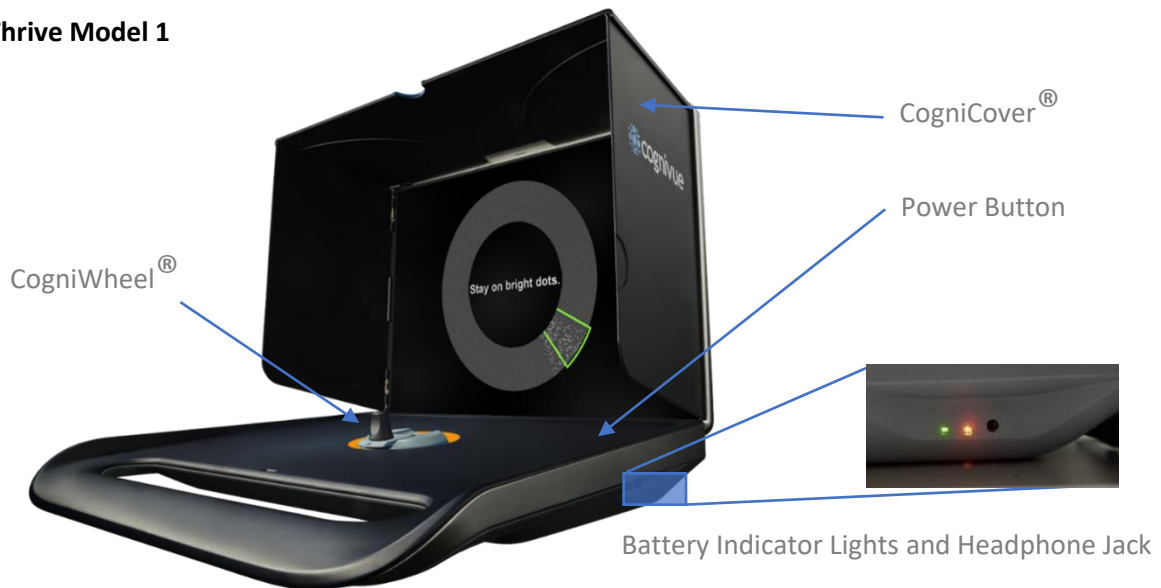
- Cognivue Advanced De Novo Clearance, DEN130033
- Diego Cahn-Hidalgo, Paul W Estes, Reina Benabou, "Validity, reliability, and psychometric properties of a computerized cognitive assessment test (Cognivue®)," World Journal of Psychiatry 2020 January 19; 10(1): 1-11.
- Cognivue Clinical Analysis Report CAR-401-A.

# Cognivue Thrive® User Manual

## 4 Device Description

The **Cognivue Thrive®** is a portable, battery-powered, laptop-like device that includes a wireless keyboard with a touchpad, a rotary CogniWheel®, and a CogniCover®. The CogniWheel® is the sole patient input device. The CogniCover® is designed for privacy and to reduce distraction and light reflections on the computer screen. The CogniCover® and CogniWheel® are designed to fold for portability.

### Thrive Model 1



### Thrive Model 2



# Cognivue Thrive® User Manual

## Thrive Model 1



USB Ports  
(for Keyboard)

Ethernet Port

Battery Charging Port

## Thrive Model 2



Headphone Jack

Power Button

Battery Indicator

USB Ports (for  
Keyboard)

Ethernet Port

Battery Charger

## 5 Power Management

Much like a laptop, the Cognivue Thrive® device is designed to be battery-powered during regular use but can also be used when the provided charging adapter is plugged in.

When not connected to the charging adapter, a fully charged Cognivue Thrive® battery will power the device for 4 hours of intensive usage but can last for 8+ hours of typical usage.

Once it has been reconnected to the charging adapter, a completely drained Cognivue Thrive® battery will fully recharge in approximately 4 hours.

### 5.1 Battery Indicator Lights

Both models of Cognivue Thrive® have LED lights to indicate the status of the device’s battery, as well as whether the device is currently charging or not. Please refer to the tables below:

<i>Battery and Charging Status of Cognivue® Thrive Model 1</i>	<i>Color of Left LED Indicator</i>	<i>Color of Right LED Indicator</i>
<i>Device is Plugged In, Battery is Fully Charged</i>	Green / Off	Green
<i>Device is Plugged In, Battery is Charging</i>	Green / Off	Orange
<i>Device is Unplugged, Battery is Discharging</i>	Orange	Off
<i>Device is Unplugged, Battery is Completely Drained</i> <b>OR Device is Off</b>	Off	Off

*Table 5-1 Battery Indicator Light Statuses for Cognivue Thrive® Model 1*

<i>Battery and Charging Status of Cognivue® Thrive Model 2</i>	<i>Color of LED Indicator</i>
<i>Device is Plugged In, Battery is Fully Charged</i>	Green
<i>Device is off and Plugged In, Battery is Charging</i>	Red -> Orange -> Green
<i>Device is on and Plugged In, Battery is Charging</i>	Blue
<i>Device is Unplugged, Battery is Discharging</i>	White -> Orange -> Blinking Red
<i>Device is Unplugged, Battery is Completely Drained</i> <b>OR Device is Off</b>	Off

*Table 5-2 Battery Indicator Light Statuses for Cognivue Thrive® Model 2*

### 5.2 Screen Sleep

When the Cognivue Thrive® device is not in use for 10 minutes, the screen will go into sleep mode.

When the screen is asleep, it can be awakened by clicking or pressing a key on the keyboard.

### 5.3 Power Alert

When the Cognivue Thrive® device is low on battery charge and not plugged in, if an attempt is made to start a testing session, e.g., upon clicking the **Run a Test** button on the patient screen, it will display an alert and not allow the testing session to begin. Plugging in the device will allow tests to be administered. To avoid running out of power during a test, please charge the device for at least one hour before again administering tests on battery power.



## 6 Recommendations for Use

### 6.1 General Testing Location

When possible, choose a test location that reduces distractions (e.g. an exam room, office, or conference room rather than a busy hallway).

Put the device on a flat, stable surface that is ergonomically comfortable for the patient. The patient should be able to comfortably reach and manipulate the CogniWheel® and view the computer screen. Avoid placing the Cognivue Thrive® in a location where there may be distractions behind the device which are visible to the patient.



Avoid Distractions in the Patient Viewing Area Behind the Device

**DO NOT place the device on the patient's lap for the test.** This does not provide a stable surface during the administration of the test. This interferes with a patient's ability to take the test.

### 6.2 Cleaning and Disinfecting Cognivue Thrive®

Cognivue recommends sanitizing the Cognivue Thrive® before and after administering a test using one of the following procedures:

- **Preferred:** Use sanitizing or disinfectant wipes to thoroughly wipe the CogniWheel® and the base of the device where the patient palm rests. **DO NOT** wipe the screen!
- Please turn the power off on the Cognivue Keyboard using the appropriate slider switch prior to cleaning/transport; this prevents unintentional keypress combinations on the device.
- In the event wipes are not available, spray a sanitizer onto a paper towel, being careful not to oversaturate the paper towel, and thoroughly wipe the CogniWheel® and the base of the device where the patient palm rests. **DO NOT** wipe the screen, and do NOT spray sanitizer or disinfectant directly onto the device!


### 6.3 Use of Personal Protective Equipment

In addition to sanitizing the device, Cognivue recommends that operators and patients wear a disposable mask while interacting with the device. If it is not possible to sanitize the device between patients, Cognivue recommends operators and patients use disposable gloves.


## 7 Network Connectivity

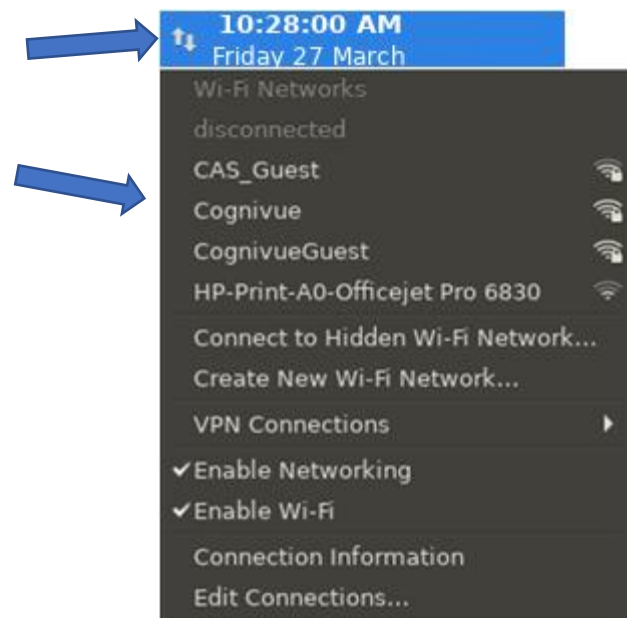
Cognivue Thrive® requires connection to a qualified network for initial setup and configuration but thereafter can be used to administer assessments offline. However certain features like Portal Sync, Printing, and Drive Mapping will be unavailable until the device is reconnected to a qualified network. In addition to these features, continued connection to qualified networks allows Cognivue® to deploy both general purpose and security patches to the devices.

### 7.1 Basic Wired Connection

1. Connect one end of a standard network cable to an active network jack at your location
2. Connect the other end to the network port on the back of the Cognivue Thrive® device
3. If not automatically connected, follow the instructions above, selecting **Wired Connection 1**.
4. Success is indicated when the icon in the top left corner is the  Network icon.


### 7.2 Basic Wi-Fi Configuration

1. Click on the  Network icon in the status bar at the upper left corner of the screen
2. From the drop-down menu, select the available Wi-Fi network to which you wish to connect
  - a. If there are a large number of networks available, you may see a **More networks** option which you can check if you do not see your network listed.



3. Enter the Wi-Fi password for the selected network
4. Click **Connect**



5. Connection can take a few seconds. A successful connection is indicated by when the network icon in the top left changes to the  Wi-Fi connection strength icon indicating network connectivity.

In the future, the device will remember the network and automatically connect when possible.



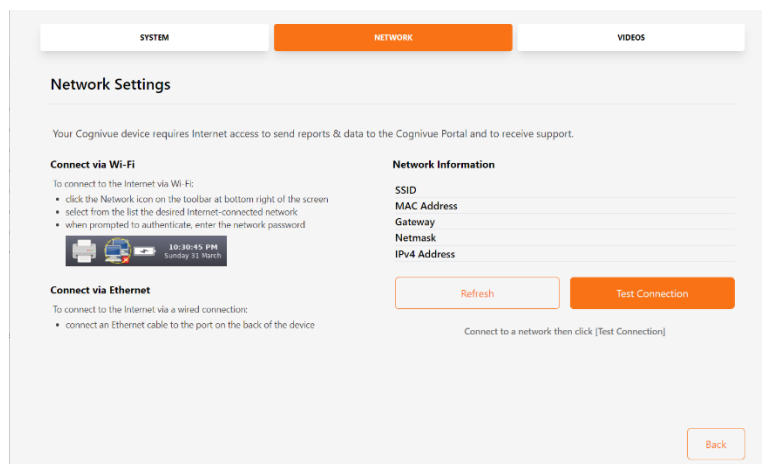
## 7.3 Connection Details

When logged on to a Cognivue Thrive® device, administrators can view and test the current network configuration information on the **Network Settings** window

To open the **Network Configuration** window

1. Log in
2. Select **Administration >> Device Settings**
3. Click the **Network** tab

The **Network Settings** window contains network configuration properties and their values



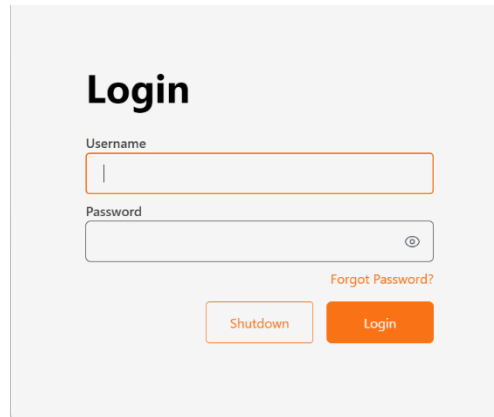
The **Refresh** button refreshes the displayed connection values

The **Test Connection** button confirms that the device has network connectivity

## 8 Security

### 8.1 Login

The user **Login** window is how you log in to a device. Logging in with an individual account ensures an audit trail for viewing patient reports and running assessments.



The screenshot shows a login interface with the following elements:

- Username** field: A text input box with a vertical cursor.
- Password** field: A text input box with a visibility icon (an eye with a slash) on the right side.
- Forgot Password?** link: A text link located below the password field.
- Shutdown** button: A light blue button located below the password field.
- Login** button: A dark blue button located to the right of the Shutdown button.

The **Shutdown** button appears on the **Login** window can be used by anyone to power down the device. Clicking the **Shutdown** button will prompt confirmation before shutting down the device.

### 8.2 User Management

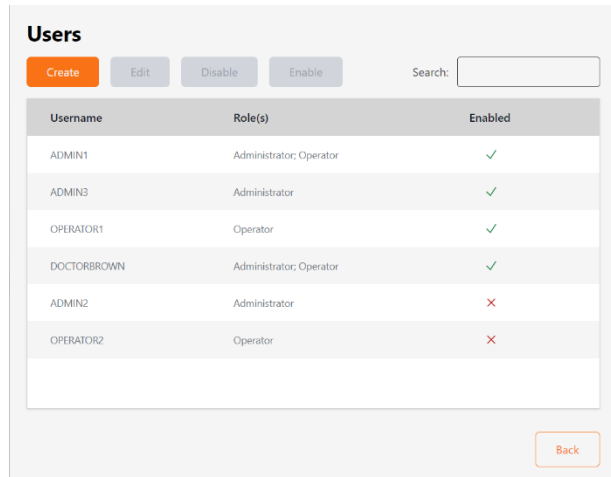
Each Cognivue Thrive® user should have their own user account to ensure audit trail and safety of patient data.

User accounts can be assigned with Administrator and Operator roles on the **User Management Screen**.

	Administrator	Operator
Setting up new accounts	X	
Delete accounts	X	
Changing accounts	X	
Configure network connection	X	X
Entering patient data & running a test		X
Running a test with an intro video		X
Viewing past test reports	X	

To open the **User Management Screen**

1. Log in
2. Select **Administration >> Device Settings**
3. Click the **Users** tab



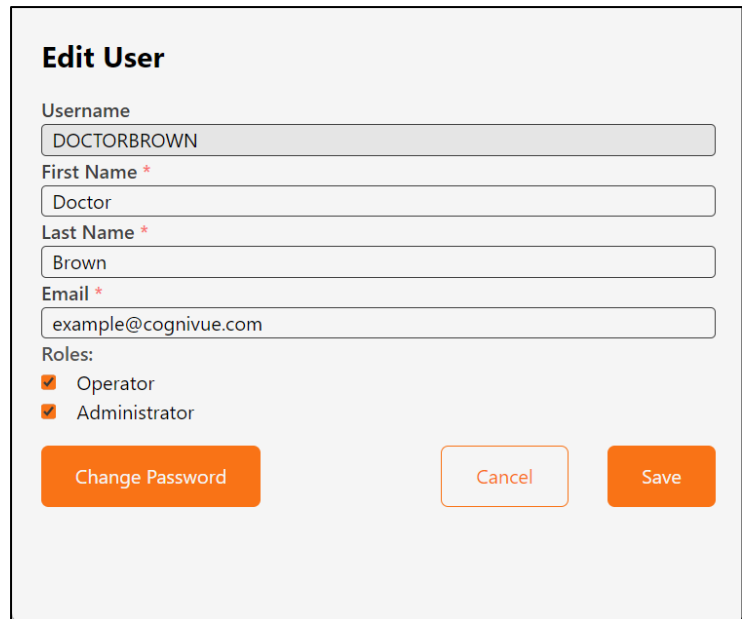
The screenshot shows the 'Users' management interface. At the top, there are buttons for 'Create', 'Edit', 'Disable', and 'Enable', along with a search field. Below is a table with columns for 'Username', 'Role(s)', and 'Enabled'. The table lists six users: ADMIN1, ADMIN3, OPERATOR1, DOCTORBROWN, ADMIN2, and OPERATOR2. ADMIN1, ADMIN3, and OPERATOR1 are enabled (checked), while ADMIN2 and OPERATOR2 are disabled (marked with a red X). A 'Back' button is located at the bottom right.

Username	Role(s)	Enabled
ADMIN1	Administrator; Operator	✓
ADMIN3	Administrator	✓
OPERATOR1	Operator	✓
DOCTORBROWN	Administrator; Operator	✓
ADMIN2	Administrator	✗
OPERATOR2	Operator	✗

## 8.3 User Creation

From the **User Management Screen**

1. Click **Create**
2. Fill out form
3. Click **Save**
4. Click **Yes** to confirm when prompted



The screenshot shows the 'Edit User' form. It includes input fields for 'Username' (DOCTORBROWN), 'First Name \*' (Doctor), 'Last Name \*' (Brown), and 'Email \*' (example@cognivue.com). Below these fields is a 'Roles:' section with two checked checkboxes: 'Operator' and 'Administrator'. At the bottom, there are three buttons: 'Change Password', 'Cancel', and 'Save'.

## 8.4 User Modification

From the **User Management** Screen

1. Select a user from the list
2. Click **Edit**
3. Make the desired changes
4. Click **Save**
5. Click **Yes** to confirm when prompted

### Edit User

Username  
DOCTORBROWN

First Name \*  
Doctor

Last Name \*  
Brown

Email \*  
example@cognivue.com

Roles:

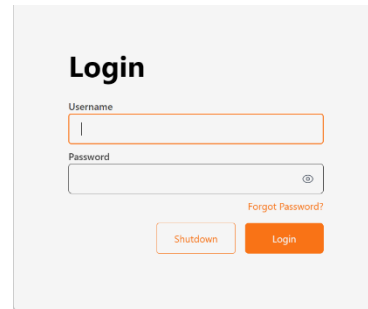
Operator

Administrator

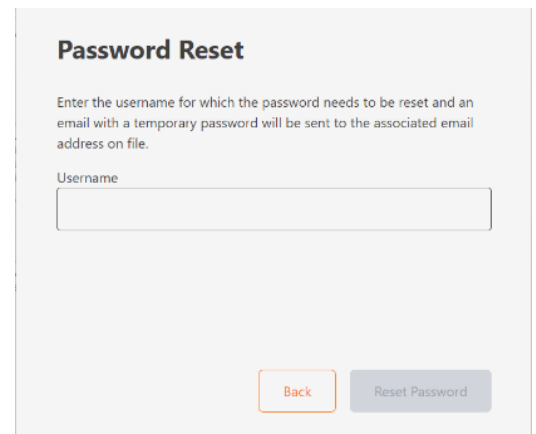
## 8.5 Password Reset

If a Cognivue Thrive® user is unable to remember their password, the process to reset their password can be initiated from the device's Login Screen:

1. Click **Reset Password**
2. Enter the username to reset
3. Click **OK** to confirm when prompted
4. Check user's associated email account for an email from [donotreply@cognivue.com](mailto:donotreply@cognivue.com) with a temporary password
5. Once the email from [donotreply@cognivue.com](mailto:donotreply@cognivue.com) has been sent, that user has 24 hours to login to their Cognivue Thrive® device and enter the temporary password they received
6. After logging in successfully, the user will be prompted to create a new password – this is the password they will use to login to the Cognivue Thrive® device going forward



The screenshot shows the 'Login' screen. It features a title 'Login' at the top. Below the title are two input fields: 'Username' and 'Password'. The 'Username' field contains a single character 'I'. To the right of the 'Password' field is a small eye icon. Below the input fields are two buttons: 'Shutdown' and 'Login'. A link labeled 'Forgot Password?' is positioned above the 'Login' button.



The screenshot shows the 'Password Reset' screen. It features a title 'Password Reset' at the top. Below the title is a paragraph of text: 'Enter the username for which the password needs to be reset and an email with a temporary password will be sent to the associated email address on file.' Below this text is a single 'Username' input field. At the bottom of the screen are two buttons: 'Back' and 'Reset Password'.

## 8.6 Auto-Logout

To prevent unauthorized access, the Cognivue Thrive® device will automatically log out the active user after 30 minutes of inactivity.

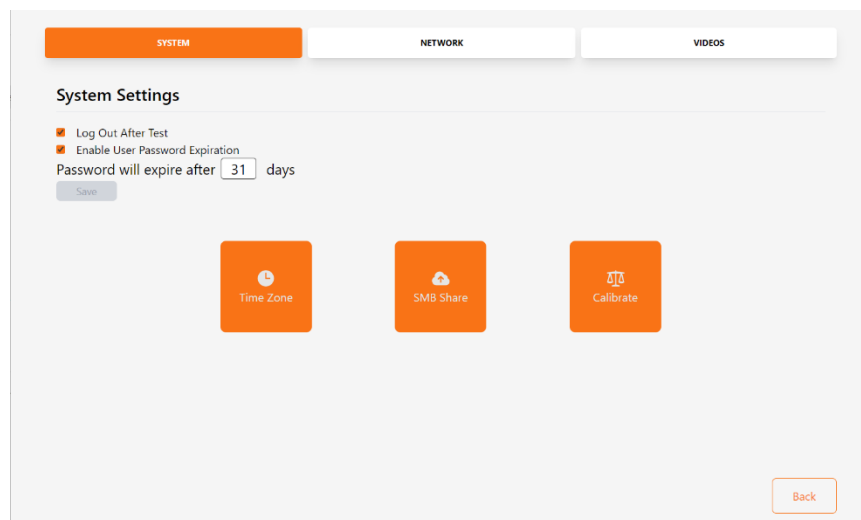
## 8.7 Password Expiration

Password expiration forces users to change their account passwords after a set number of days. Password expiration applies to all user accounts but is disabled by default.

Users are warned about password expiration for three days before it expires. Once expired, the user will be forced to change their passwords before they can log in.

To enable/disable password expiration:

1. Navigate to **Administration >> Device Settings**
2. Click the **Enable Password Expiration** checkbox
3. When this feature is enabled, a password lifetime must be specified
4. Enter the number of days in the text field labeled **Password Expires after**

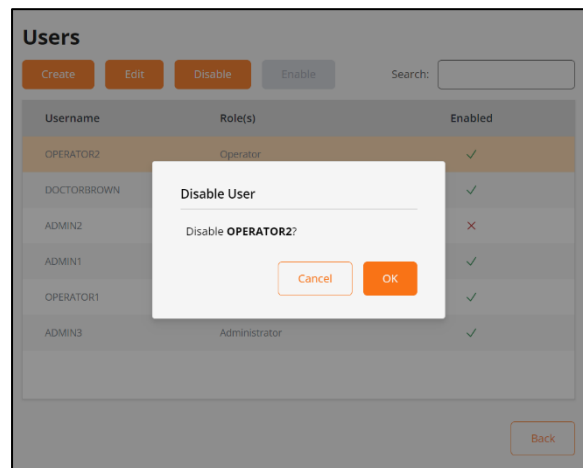


## 8.8 Disabling Accounts

To maintain an audit trail, User Accounts cannot be fully removed from the system. Disabling prevents the user from logging in. Disabled accounts can be reactivated in the future.

From the **User Management** Screen

1. Click on a user in the list
2. Click the **Disable User** button
3. Click **Yes** to confirm when prompted





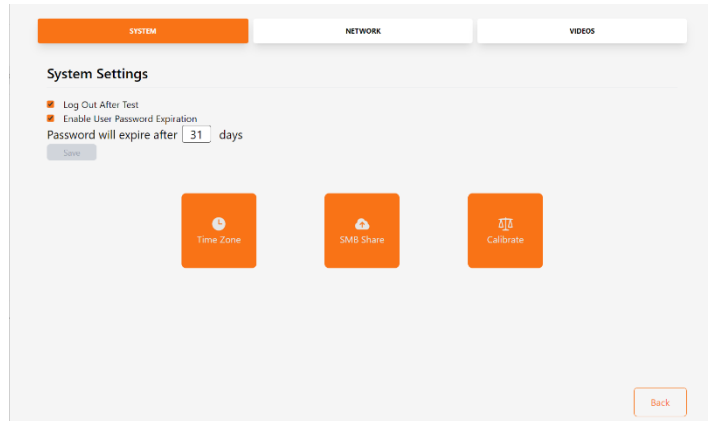
## 9 System Settings

The Cognivue Thrive® device includes several configurable options. The ability to make these configuration changes is available only to Administrator users on the **System Settings** screen

The System Settings Screen is on the System tab of the Device Administration page

To open the **System Settings Screen**

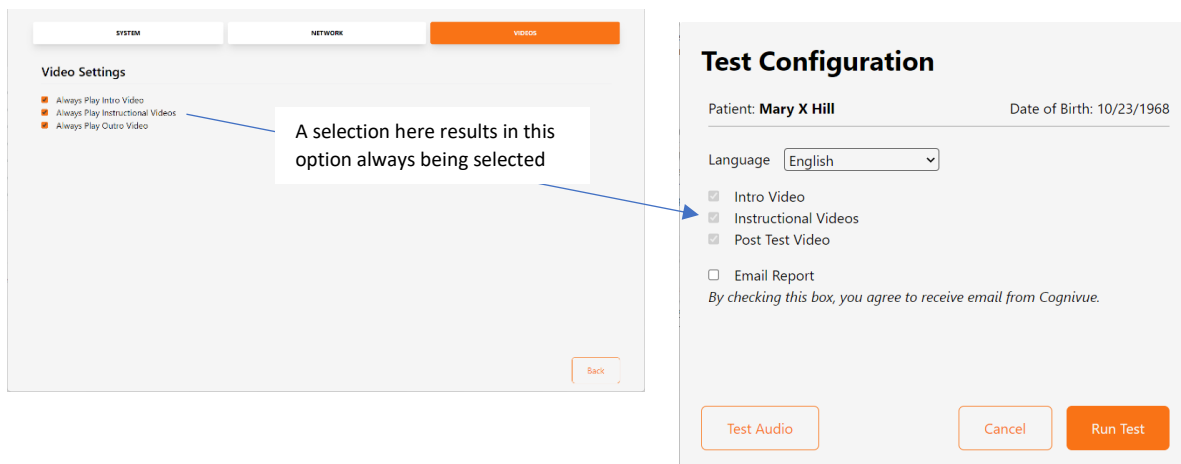
1. Log in
2. Select **Administration >> Device Settings**
3. Click the **System** tab



### 9.1 Video Settings

This screen allows Administrators to ensure the intro video will always be shown to patients. If the option is unchecked here, the choice is left to the Operator who sets up the test for the patient.

- Always Play Intro Video → Play the introduction video before every test
- Always Play Instructional Videos → Plays short instructional videos during the test
- Always Play Post Test Video → Plays a congratulatory video when the test completes

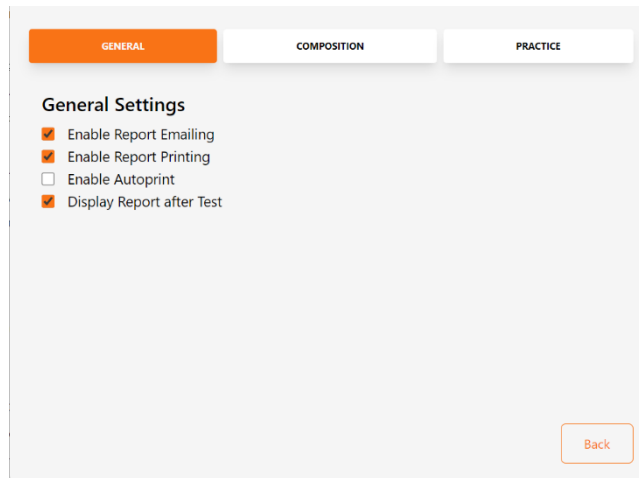


## 10 Report Settings

The Cognivue Thrive® reports are configurable to meet the needs of the practice using the device. These configuration changes are available only to Administrator user accounts on the **Report Configuration** screen.

To open the **Report Settings Screen**:

1. Login to the device as a user with administrator privileges
2. Select **Administration >> Report Settings**

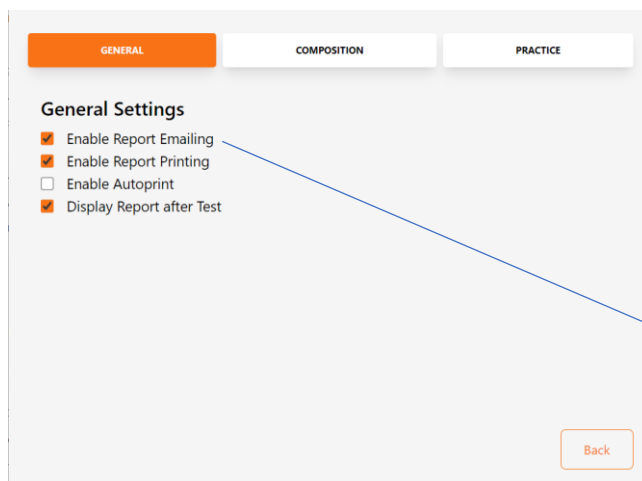


The screenshot shows the 'Report Settings' screen with three tabs: 'GENERAL' (selected), 'COMPOSITION', and 'PRACTICE'. Under 'General Settings', there are four checkboxes: 'Enable Report Emailing' (checked), 'Enable Report Printing' (checked), 'Enable Autoprint' (unchecked), and 'Display Report after Test' (checked). A 'Back' button is located at the bottom right.

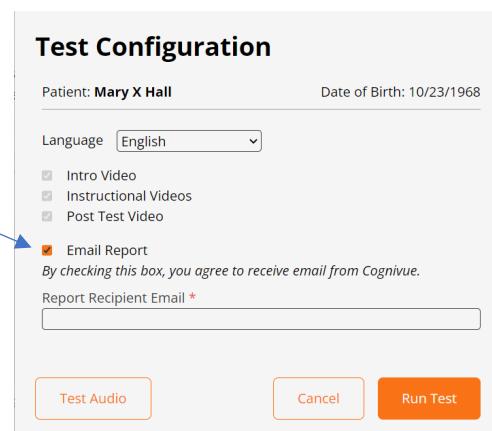
### 10.1 Report Emailing

Cognivue Thrive® provides the ability to send the test report via an encrypted email to a patient following completion of a test. This feature is enabled by default. An Administrator can disable this functionality by unchecking the **Enable Report Emailing** checkbox.

Checking the box for “Enable Report Emailing” results in this section being available on the Assessment Setup Screen



This screenshot is identical to the one above, but a blue arrow points from the 'Enable Report Emailing' checkbox to the 'Test Configuration' screen shown in the next block.



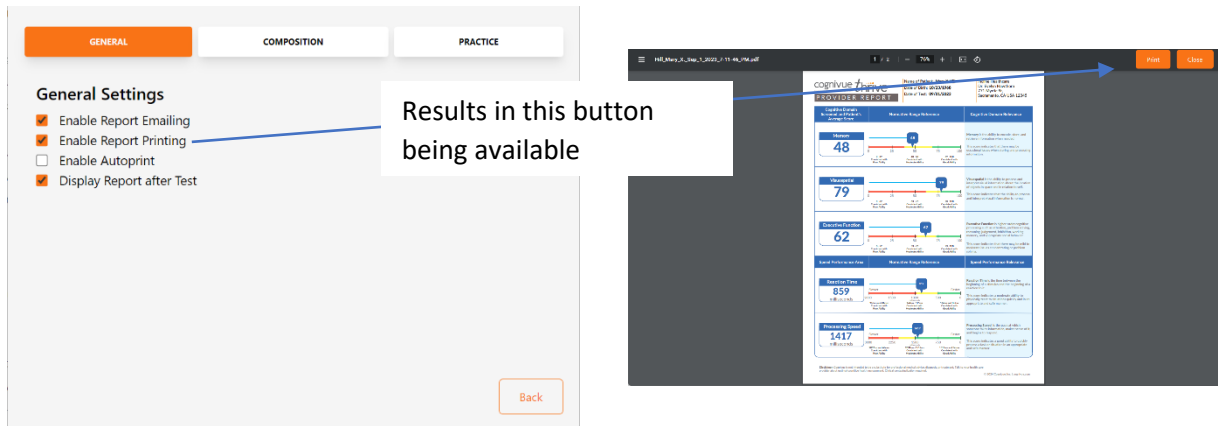
The 'Test Configuration' screen shows patient information: 'Patient: Mary X Hall' and 'Date of Birth: 10/23/1968'. The 'Language' is set to 'English'. There are three unchecked checkboxes: 'Intro Video', 'Instructional Videos', and 'Post Test Video'. The 'Email Report' checkbox is checked, with the text 'By checking this box, you agree to receive email from Cognivue.' below it. A 'Report Recipient Email \*' field is present. At the bottom, there are three buttons: 'Test Audio', 'Cancel', and 'Run Test'.

# Cognivue Thrive® User Manual

When enabled, the option for the patient to receive a copy of the test report via encrypted email will be provided on the **Assessment Setup** Screen.

## 10.2 Report Printing

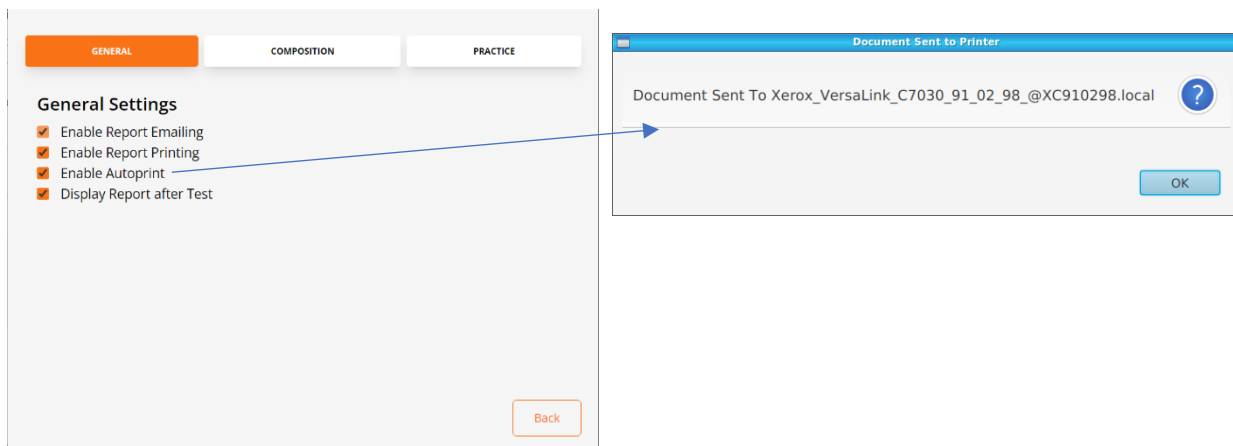
Cognivue Thrive® provides the ability to print the test report to a configured, connected printer. Printing test reports from Cognivue Thrive® is enabled by default. An Administrator can disable this functionality by unchecking the **Enable Report Printing** checkbox.



When enabled, a **Print** button will be displayed on the top navigation bar of the **Report Viewer** screen.

## 10.3 Automatic Printing

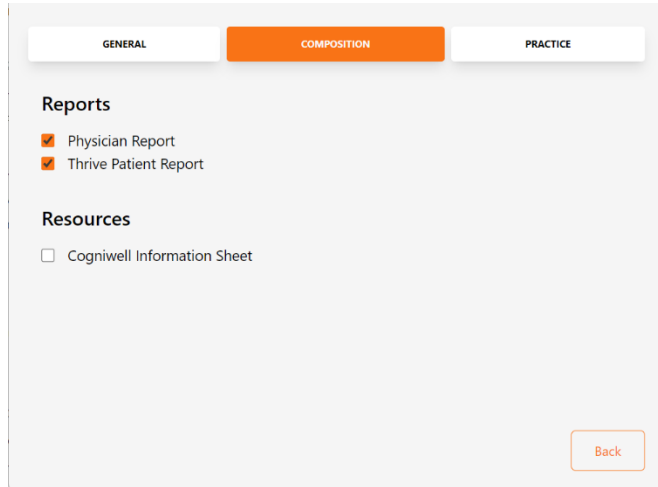
Cognivue Thrive® provides the ability to automatically print the associated report upon completion of a test. Automatic printing of test reports is disabled by default. An Administrator can enable this functionality by checking the **Auto Print** checkbox.



## 10.4 Report Composition

To open the **Report Settings Screen**

1. Log in
2. Select **Administration >> Report Settings**
3. Click the **Composition** tab



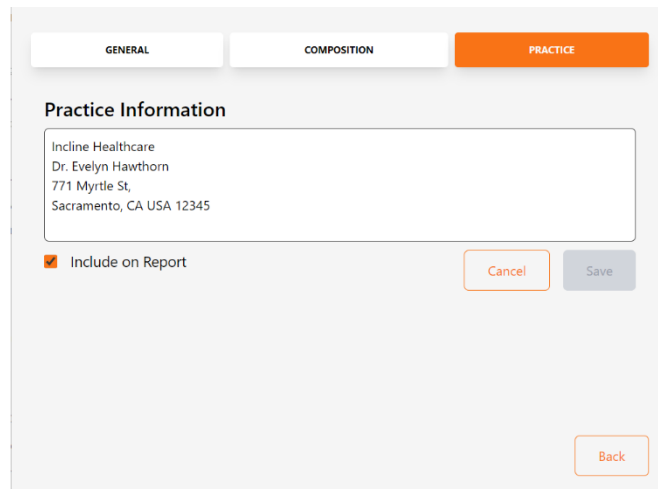
The screenshot shows the 'Report Settings' screen with the 'COMPOSITION' tab selected. The 'Reports' section has two checked items: 'Physician Report' and 'Thrive Patient Report'. The 'Resources' section has one unchecked item: 'Cognivell Information Sheet'. A 'Back' button is located in the bottom right corner.

**WARNING:** At the conclusion of the assessment, only the selected reports will be generated. Reports that do not have check marks next to them will not be generated. Reports cannot be generated after an assessment has been completed either, so unchecked reports will be permanently unavailable.

## 10.5 Practice Information

To open the **Practice Information Screen**

1. Log in
2. Select **Device >> Report Settings**
3. Click the **Practice** tab



The screenshot shows the 'Practice Information' screen with the 'PRACTICE' tab selected. The 'Practice Information' section contains a text box with the following text: 'Incline Healthcare', 'Dr. Evelyn Hawthorn', '771 Myrtle St.', 'Sacramento, CA USA 12345'. Below the text box is a checked checkbox labeled 'Include on Report'. There are 'Cancel' and 'Save' buttons to the right of the checkbox. A 'Back' button is located in the bottom right corner.

## 11 Portal Menu

For details about how to setup and utilize the Portal see the **Portal User Manual**

## 12 Patient Management

To open the **Patient List** Screen

1. Log in
2. Click the **Patient** button

Last Name	First Name	Middle Initial	Date of Birth	Last Tested
Hill	Mary	X	10/23/1968	09/01/2023
Hillcock	Mary	X	10/02/1960	08/14/2023

### 12.1 Pre Entering Patients

Patient demographic information can be pre-filled to speed up the test setup process

1. Click on the **Create** button to display the **Patient Creation** Screen
2. Fill out form
3. Click **Save**
4. Click **OK** to confirm when prompted

**Create patient**

First Name \*      MI \*      Last Name \*

Date of Birth \*      Sex: Not Specified

Email

\* required fields

## 13 Assessments

Test administration is the core feature of Cognivue Thrive®. There are two paths to starting an assessment: From the **Main** Screen and from the **Patient List** Screen.

## 13.1 Run Test (Patient Screen)

From the **Patient List** Screen

1. Select a patient
2. Click the **Start Test** button

The screenshot shows a 'Patients' screen with a search bar at the top right containing 'M'. Below the search bar is a table with the following data:

Last Name	First Name	Middle Initial	Date of Birth	Last Tested
Hill	Mary	X	10/23/1968	09/01/2023
Hillock	Mary	X	10/23/1968	09/14/2023

At the bottom right of the screen, there are two buttons: 'Back' and 'Start Test'. Blue arrows from the instructions point to the 'Start Test' button and the first row of the table.

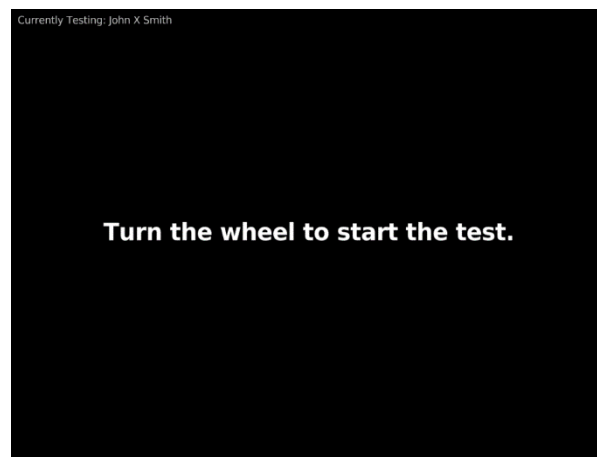
3. Patient data (Name and date of birth)
4. Select the patient's preferred language for the test (English or Spanish)
5. Select appropriate video options or use the defaults
6. Enter any additional information as desired
7. Click **Run Test**

The screenshot shows a 'Test Configuration' screen for patient 'Mary X Hill' with a date of birth of '10/23/1968'. The configuration includes:

- Language: English (dropdown menu)
- Intro Video:
- Instructional Videos:
- Post Test Video:
- Email Report:  (with a note: "By checking this box, you agree to receive email from Cognivue.")

At the bottom, there are three buttons: 'Test Audio', 'Cancel', and 'Run Test'. Blue arrows from the instructions point to the 'Run Test' button and the various configuration fields.

8. The patient should turn the CogniWheel® to start the test



## 13.2 Video Volume Control

Before starting Cognitive Assessments test the audio using the **Test Audio** button on the **Assessment Setup Screen**

**Test Configuration**

Patient: **Mary X Hill** Date of Birth: 10/23/1968

Language: English

Intro Video  
 Instructional Videos  
 Post Test Video

Email Report  
*By checking this box, you agree to receive email from Cognivue.*

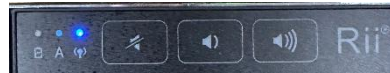
Test Audio Cancel Run Test

To control the volume of video playback, the volume control keys on the keyboard can be used.

**Thrive Model 1**



**Thrive Model 2**



**Note:** The **Mute** button sets the volume to its lowest setting. To unmute, it is necessary to use the volume-up key to increase the volume to the desired level.

## 14 Assessment Reports

There are three different reports and resources that can be generated at the conclusion of a cognitive assessment:


- Practitioner Report
- Thrive Patient Report
- Cogniwell Information Sheet

Device administrators can configure which reports are generated from the Composition Settings tab of the Report Setting screen (see the **Report Setting** section of this manual).

# Cognivue Thrive® User Manual

## 14.1 Provider Report

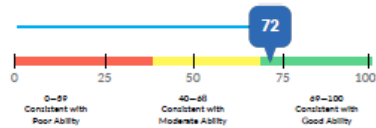
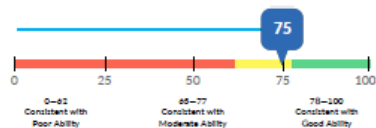

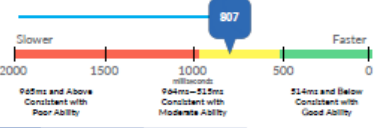

This report is intended for the practitioner or physician. It displays the test scores and normalized ranges. Additional information is provided to the practitioner to help them explain the scores to the patient. Clinical contextualization is required.



**PROVIDER REPORT**

Name of Patient: **Mary X Hall**  
 Date of Birth: **10/23/1968**  
 Date of Test: **09/15/2023**

Incline Healthcare  
 Dr. Evelyn Hawthorn  
 771 Myrtle St,  
 Sacramento, CA USA 12345

Cognitive Domain Screened and Patient's Average Score	Normative Range Reference	Cognitive Domain Relevance
<b>Memory</b> <span style="font-size: 2em; font-weight: bold; color: #2c5e8c;">72</span>		<p><b>Memory</b> is the ability to encode, store, and retrieve information when needed.</p> <p>This score indicates that the ability to store and process information is normal.</p>
<b>Visuospatial</b> <span style="font-size: 2em; font-weight: bold; color: #2c5e8c;">75</span>		<p><b>Visuospatial</b> is the ability to process and interpret visual information about the location of objects in space and in relation to self.</p> <p>This score indicates that there may be mild to moderate issues processing and interpreting visual information.</p>
<b>Executive Function</b> <span style="font-size: 2em; font-weight: bold; color: #2c5e8c;">76</span>		<p><b>Executive Function</b> is higher-order cognitive processing, such as attention, problem solving, reasoning, judgement, inhibition, working memory and appropriate social behavior.</p> <p>This score indicates that the ability to concentrate and problem solve is normal.</p>
Speed Performance Area	Normative Range Reference	Speed Performance Relevance
<b>Reaction Time</b> <span style="font-size: 2em; font-weight: bold; color: #2c5e8c;">807</span> milliseconds		<p><b>Reaction Time</b> is the time between the beginning of a stimulus and the beginning of a reaction to it.</p>
<b>Processing Speed</b> <span style="font-size: 2em; font-weight: bold; color: #2c5e8c;">1832</span> milliseconds		<p><b>Processing Speed</b> is the pace at which someone takes information, makes sense of it, and begins to respond.</p>

Explanations

Disclaimer: Cognivue is not intended to be a substitute for professional medical advice, diagnosis, or treatment. Talk to your health care provider about optimal cognitive health management. Clinical contextualization required.

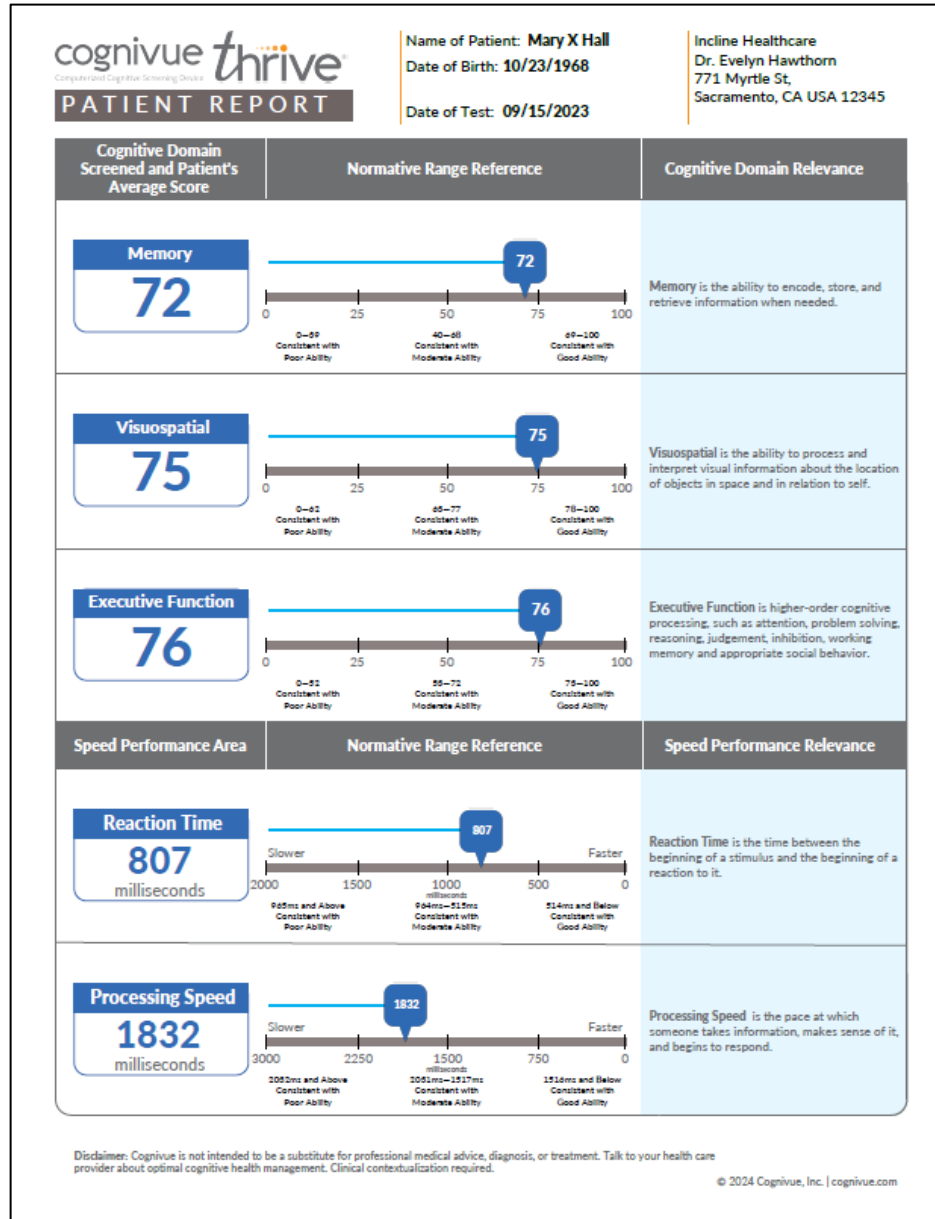
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# Cognivue Thrive® User Manual

## 14.2 Thrive Patient Report

This report is intended for the patient. It contains the test scores and normalized ranges. Additional information is provided to define the domains in patient-friendly language. Clinical contextualization is required.



# Cognivue Thrive® User Manual

## 14.3 Cogniwell Letter

The CogniWell Lifestyle Letter provides information about modifiable lifestyle factors that can have an impact on cognitive performance.



**Take control of your memory and brain health**

You have the power to optimize your cognition by adopting a combination of key healthy lifestyle habits and being aware of your overall wellness. Studies show that taking proactive steps may help reduce your risk of memory loss and other forms of cognitive decline. Here are evidence-based recommendations to proactively manage lifestyle-related risk factors and certain medical conditions that may affect cognition.

---

 **Stay Mentally Fit**      **Exercising your mind can help your brain perform at its best**  
Participating in cognitively stimulating activities may help sharpen certain thinking skills that tend to diminish with age. Have fun engaging your brain by reading books, playing games, and doing puzzles.

---

 **Maintain Connections**      **Being socially active is brain friendly**  
Studies have shown that increased social activity is linked to a lower rate of cognitive decline. To stay social, connect with friends and family, or consider volunteering for a local organization.

---

 **Exercise Regularly**      **Exercising your body can help keep your brain in shape**  
Research supports a strong link between physical activity and brain health. It is recommended to get at least 150 minutes of moderate aerobic activity a week. Any activity that gets your heart pumping counts as aerobic activity, such as walking, dancing, and biking.

---

 **Eat Healthy**      **Eating right feeds a healthy body and mind**  
Food that is good for your overall health is good for your brain. Talk to your physician about whether you are consuming a balanced diet that takes into consideration appropriate numbers of calories and nutrients.

---

 **Sleep & Relax**      **Getting a good night's sleep rests your body and mind**  
Insufficient sleep can not only make a person irritable, it can affect memory and decision making. Healthy adults need between 7 and 9 hours of sleep per night.

---

 **Healthy Hearing**      **Hearing health is important to your cognitive health**  
Hearing impairment has been recognized as a modifiable contributor to cognitive decline when identified in mid-life. See your hearing healthcare professional to help maintain your hearing health.

---

 **Optimal Vision**      **Manage or prevent vision impairment**  
Research has found the relationship between cognitive decline and vision impairment may be a modifiable risk factor. To manage or prevent vision impairment, schedule regular visits with your vision healthcare provider.

---

 **Medication Management**      **Medication management is important to your overall health**  
Taking your medicine as prescribed is important for overall health. Reviewing your medications with your healthcare provider or pharmacist is an integral part of medication management.

---

 **cognivue**  
cognivue.com

Disclaimer: Cognivue Clarity/Thrive® is indicated for use as an adjunctive tool for evaluating cognitive functions. It is not a stand-alone diagnostic tool and does not identify the presence or absence of clinical diagnoses. The device results are to be assessed and interpreted by a licensed clinician. Cognivue, Cognivue Thrive and Cognivue Clarity are trademarks or registered trademarks of Cognivue in the US and/or other countries. © Cognivue. All rights reserved. CG-5003 [04\_2023]

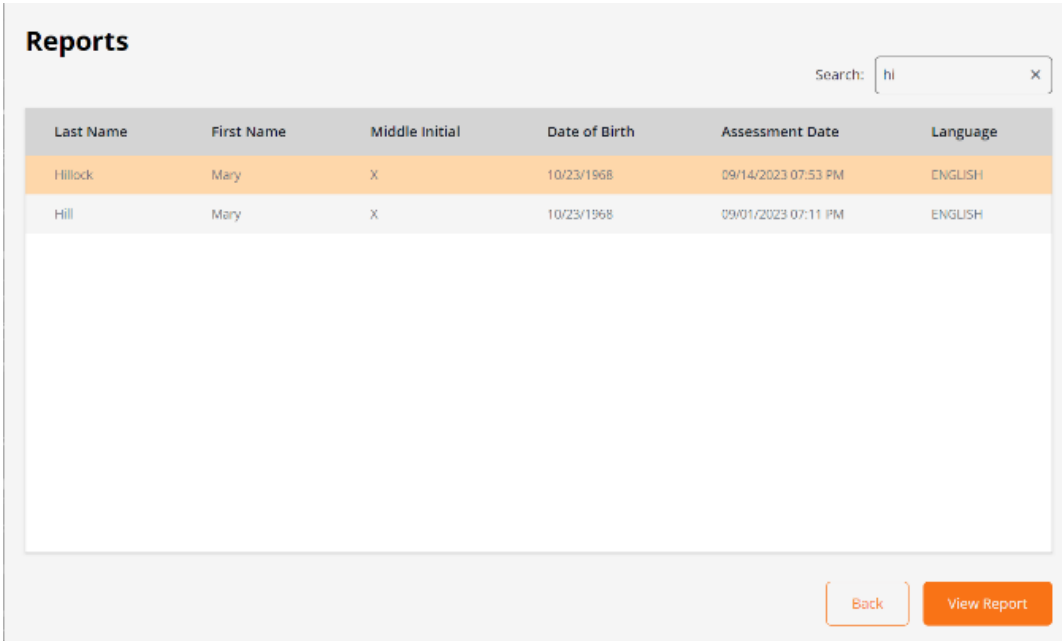
## 15 Accessing Reports

### 15.1 Viewing Reports

After a Cognitive Assessment has been completed the report can be reviewed by going to the **Report List Screen**.

### 15.2 Reviewing Reports

Administrators can review the test report by Selecting the **Reports** button from the Main Menu Screen. A list of available reports will be presented. After selecting the desired report from the list, click the **View Report** button to display the report.



**Reports**

Search:  X

Last Name	First Name	Middle Initial	Date of Birth	Assessment Date	Language
Hillock	Mary	X	10/23/1968	09/14/2023 07:53 PM	ENGLISH
Hill	Mary	X	10/23/1968	09/01/2023 07:11 PM	ENGLISH

Back View Report

## 15.3 Printing

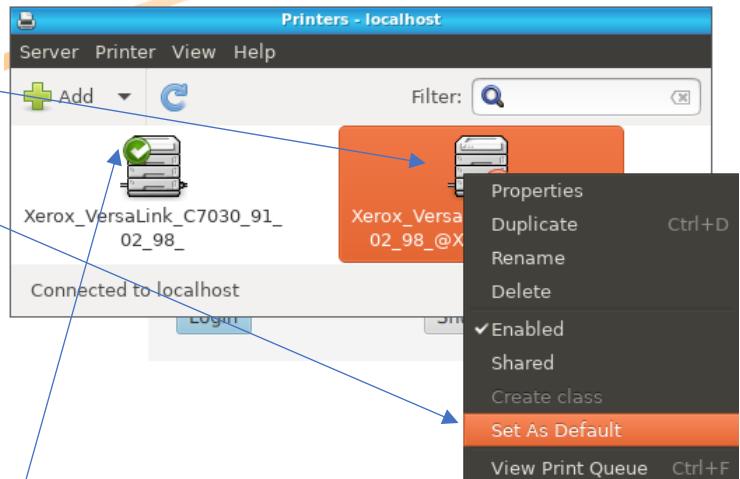
Test reports may be printed from the Cognivue Thrive® device whenever a report is opened in the report viewer. The print feature prints to the device's default printer.

The Default printer can be set from any screen

1. Click the printer icon using the menu bar in the upper left corner of the screen
2. Right click on the preferred Printer
3. Click **Set As Default**

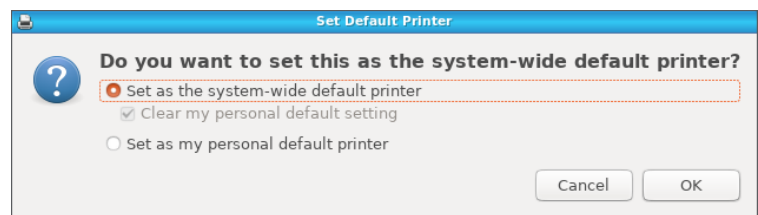


Figure 15-2 Printer Menu Icon



4. A pop-up Set Default Printer will appear. Selecting Set as the system-wide default printer, press OK to continue

A green checkbox indicates that the printer has been set as default



## 15.4 Emailing

Emailing reports from the device requires consent on a per assessment basis. The checkbox on the start assessment screen or the re-entry of a pre-existing patient's email serves as this consent.

If the email cannot be sent after the assessment due to network interruption the email can be resent once the network is restored via the **Email Menu** on the **Main Screen** for an administrator user.

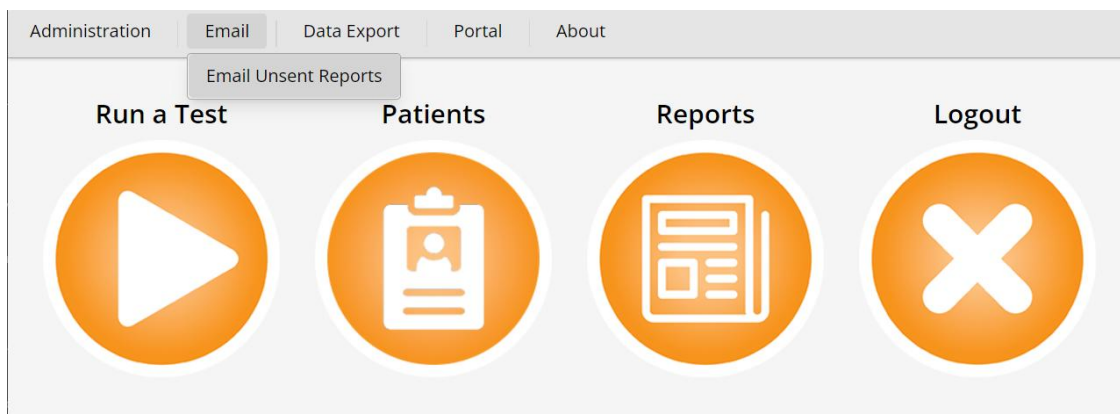
**Test Configuration**

Patient: **Mary X Hall** Date of Birth: 10/23/1968

Language

- Intro Video
- Instructional Videos
- Post Test Video
- Email Report  
*By checking this box, you agree to receive email from Cognivue.*

Report Recipient Email \*



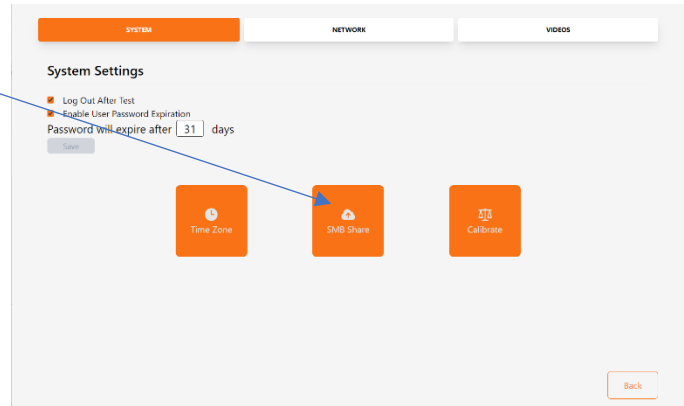
## 15.5 Drive Mapping

### 15.5.1 Setting the SMB Share Password

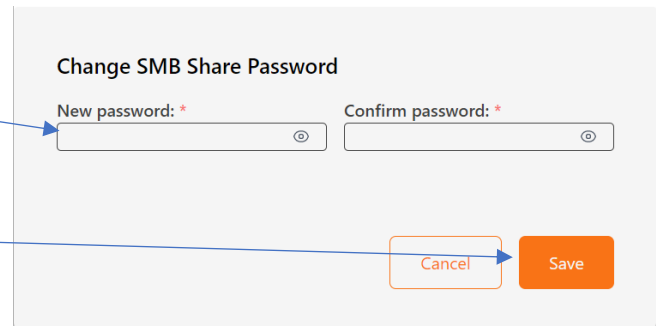
The SMB password can be set and reset on device by an administrator user.

From the **System Settings** Screen

1. Click the **SMB Share** Button

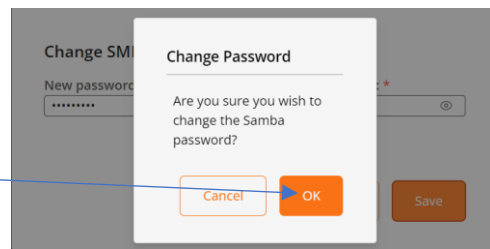


2. Enter a password that meets all the requirements



3. Click the **Save** Button

4. Click to confirm the change



## 15.5.2 Reports Mapping

This mapping provides access to the report pdfs sorted into folders based on the name and date of birth of the patient.

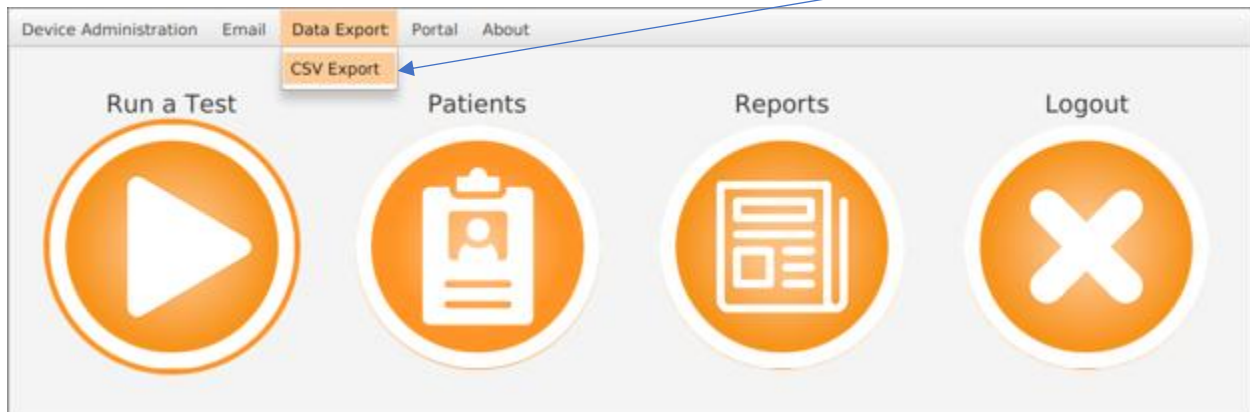
To map this drive, follow the appropriate Drive Mapping Instructions available at <https://cognivue.com/customer-resource-center/>.

The information you will need for this share is

- Ip Address: Retrieved from the Network tab
- Mapping folder: Reports (e.g., \\192.168.0.48\Reports)
- Username: cogaccess
- Password: Set by device administrator

## 15.5.3 CSV Mapping

The CSV store provides access to csv files with the condensed data from all patient reports. These exports are generated by clicking the **Data Export** menu and selecting the **CSV Export** menu item.



The data included is:

- Last Name
- First Name
- Middle Initial
- Patient ID
- Sex
- Date of Birth
- Test Start Date-Time
- Serial Number
- Language
- Intro Video
- Instructional Videos
- Post Test Video
- Visuospatial
- Executive Function
- Memory

# Cognivue Thrive® User Manual

- Reaction Time (ms)
- Processing Speed (ms)

To map this drive, follow the appropriate Drive Mapping Instructions available at <https://cognivue.com/customer-resource-center/>.

The information you will need for this share is

- Ip Address: Retrieved from the Network tab
- Mapping folder: Csv (e.g., \\192.168.0.48\Csv)
- Username: cogaccess
- Password: Set by device administrator



## 16 Technical Specifications

Parameter	Thrive Model 1	Thrive Model 2
<b>Operating Environment</b>	10 to 30 °C (50 to 86 °F) 10% to 85% Relative humidity, non-condensing 70 to 106 kPa Atmospheric Pressure	
<b>Transport and Storage Environment</b>	-20 to 50 °C (-4 to 122 °F) 10 to 85% Relative humidity, non-condensing 50 to 106 kPa Atmospheric Pressure	
<b>Power Input</b>	19V DC, 3.5 A Nominal	19V DC, 2.5 A Nominal
<b>Weight</b>	4.2 kg (9lbs 2oz)	3.3 kg (7lbs 3oz)
<b>Wireless Communications</b>	Intel Dual Band Wireless-AC 3168 <ul style="list-style-type: none"> <li>• 20 dBm max output power for 2.4 GHz 802.11b/g/n</li> <li>• 23 dBm max output power for 5.0 GHz 802.11a/n/ac</li> </ul>	Infineon CYW43455 <ul style="list-style-type: none"> <li>• 20.5 dBm max output power for 2.4 GHz 802.11b/g/n</li> <li>• 21.5 dBm max output power for 5.0 GHz 802.11a/n/ac</li> </ul>

## 17 Safety Precautions

Observe the following precautions to ensure safety and to prevent damage to Cognivue Thrive®:

- Do not place on uneven or unstable surfaces.
- Do not make any modifications or alterations to the device.
- Do not connect unauthorized peripherals to the device.
- Do not open the device cover or modify the device. There are no customer serviceable parts.
- Do not apply weight onto the device.
- Do not connect a multiple socket outlet or extension cords to Cognivue Thrive®.
- Do not install the unit such that the power cord is a tripping hazard.
- Do not expose to liquids, rain, or moisture except in routine cleaning of surfaces.
- This product contains rechargeable batteries. At end of use, return the device to Cognivue or dispose according to local guidelines.
- Only use the provided AC Power Adapter with this device.
- Removal of the power cord from the inlet is the mains disconnect.

**WARNING:** To avoid the risk of electric shock, this equipment must only be connected to a supply mains with protective earth.

**WARNING:** Use of this equipment adjacent to or stacked with other equipment should be avoided because it could result in improper operation. If such use is necessary, this equipment and the other equipment should be observed to verify that they are operating normally.

**WARNING:** Use of accessories, transducers, and cables other than those specified or provided by the manufacturer of this equipment could result in increased electromagnetic emissions or decreased electromagnetic immunity of this equipment and result in improper operation.

**WARNING:** Portable RF communications equipment should be used no closer than 30 cm (12 inches) to any part of Cognivue Thrive®. Otherwise, degradation of the performance of this equipment could result.

**NOTE:** The EMISSIONS characteristics of this equipment make it suitable for use in industrial areas and hospitals (CISPR 11 class A). If it is used in a residential environment (for which CISPR 11 class B is normally required) this equipment might not offer adequate protection to radio-frequency communication services. The user might need to take mitigation measures, such as relocating or re-orienting the equipment.

## 18 Product Safety Standards

This device meets the following product safety standards:

**USA**           ANSI/AAMI ES60601-1:2005+A2 (R2012) +A1 - Medical Electrical Equipment—Part 1: General requirements for safety and essential performance








**Canada**       CAN/CSA C22.2 No. 60601-1:2014 - Medical Electrical Equipment—Part 1: General requirements for safety and essential performance (includes Amendment 1)

**EMC**           IEC 60601-1-2:2014 includes EMC requirements and tests. Medical Electrical Equipment including CISPR 11:2009 + A1:2010, Group 1, Class A as shown in the table below:

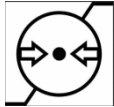




EMC Emission	Parameter	Standard	Test Level/Note
EMC Emission	Conducted Emissions	5011:2009, CISPR 11:2009 + A1:2010	Class A
	Radiated Emissions	N 55011:2009, CISPR 11:2009 + A1:2010	Class A
	Harmonic Current	EN/IEC 61000-3-2	Class A
	Voltage Flicker	EN/IEC 61000-3	-
EMC Immunity	Electrostatic Discharge	IEC/EN 61000-4-2	15 kV air, 8kV contact
	Radiated Immunity	IEC/EN 61000-4-3	3V/m (80Mhz-2.7GHz)
	Electrical Fast Transients	IEC/EN 61000-4-4	2kV
	Surge Line to Line	IEC/EN 61000-4-5	1kV Line to Line 2kV Line to Ground
	Conducted Immunity	IEC/EN 61000-4-6	3Vrms and 6Vrms
	Magnetic Immunity	IEC/EN 61000-4-8	30 A/m
	Voltage Dips & Interruptions	IEC/EN 61000-4-11	

## 19 Product Safety Symbols

The following symbols may be used for marking on this equipment:

	Follow the operating instructions
	Type B applied part
	Serial Number
	DC input
	Manufacturer Date
	Manufacturer's name and address
	NRTL Mark (Safety Certification Mark)

The following symbols may be used for Environmental Conditions for Transport

	Atmospheric Pressure Limitation
	Temperature Limitation
	Relative Humidity Limitation
	Keep away from rain
	Handle with Care



**Manufactured by:**

Cognivue, Inc.  
7911 Rae Blvd  
Victor, NY 14564  
USA



**United Kingdom Responsible Person**

Donawa Lifescience Limited  
Aviation Business Park  
Christchurch  
BH23 6NX  
UK