



English

EasyCare Tx 2

Online Help

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Legal and regulatory notices

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Important notice

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About EasyCare Tx 2

The EasyCare Tx 2 titration software allows users to remotely control positive airway pressure (PAP) therapy devices from a computer. This titration solution is comprised of three parts:

1. EasyCare Tx 2 titration software
2. TxLink™ 2 connection module
3. AirSense™ 11 or other compatible ResMed therapy device



EasyCare Tx 2 also:

- controls and displays data coming from the connected therapy device
- configures signals output by the TxLink 2 to polysomnography (PSG) systems
- displays alerts generated by the therapy device (where supported)

This help provides instructions on using EasyCare Tx 2 software with a TxLink 2 device. Refer to the TxLink 2 device guide, AirSense 11 AutoSet™ device guide, Titration Equipment Installation Guide, and other ResMed therapy device guides for instructions on their use.



Caution

- Read the entire help guide before using this software.
- In the US, federal law restricts this device to sale by or on the order of a physician.
- To protect system components and patient information, your facility should implement appropriate cybersecurity policies, such as encrypting the file system where protected health information (PHI) is stored and enforcing unique usernames and passwords for all staff that have access to the computer as a minimum.

Intended use

The EasyCare Tx 2 software is intended to be used with ResMed compatible therapy devices in a clinical environment. EasyCare Tx 2 provides therapy device setting changes and displays real-time data and treatment settings from compatible ResMed therapy devices when used together with the TxLink 2 module.

Clinical benefits

Refer to the user or clinical guide of the attached ResMed therapy device for clinical benefits relevant to the attached therapy device.

Intended patient population/medical conditions

EasyCare Tx 2 is intended to be used with ResMed's compatible therapy devices via TxLink 2. Refer to the user or clinical guide of the attached ResMed therapy device for information on the intended patient population, as this may vary between devices.

Compatible devices

For a full list of compatible therapy devices, see the Data Management/Device Compatibility List on www.resmed.com. If you do not have internet access, contact your ResMed representative.

Contraindications

Refer to the user or clinical guide of the attached ResMed therapy device for contraindications or adverse effects.

Recommended system requirements

The minimum hardware requirements for installing EasyCare Tx 2 software are outlined in the following table:

Hardware requirements	
Computer	1 GHz processor or greater
Memory	4 GB RAM or greater 8 GB RAM or greater for 64-bit Windows®
Screen resolution	1680 x 1050 (or higher)
Operating systems	Microsoft® Windows 10, Windows 11
Network speed	10/100/1000 Mbps
Free space on hard drives	400 MB
USB port	Type A (or USB C with an adapter)

The minimum software requirements for installing EasyCare Tx 2 software are outlined in the following table:

Software requirements
Microsoft .NET 5.0
Microsoft Edge, Google Chrome™
A portable document reader, such as Adobe® Reader®

Install EasyCare Tx 2 software

You can download EasyCare Tx 2 software from the ResMed Healthcare Professional website if you have an account.



Important

You must have Windows administrator privileges on the computer to install the software.

To install EasyCare Tx 2 software:

1. Download the EasyCare Tx 2 software to a convenient location, such as your **Downloads** folder.
 2. Close all open applications on your computer.
 3. Double-click the **EasyCare Tx 2 setup** file.
 4. Enter your Windows administrator username and password.
 5. Review and accept the **License Agreement**.
 6. Choose a folder where you want to install the EasyCare Tx 2 software, and click **Install**.
 7. When the software install is complete, click **Finish**.
- After a successful install, the **EasyCare Tx 2** icon appears on the computer desktop.

Uninstall EasyCare Tx 2

You must uninstall EasyCare Tx 2 to remove it from your computer.

To uninstall EasyCare Tx 2 software:

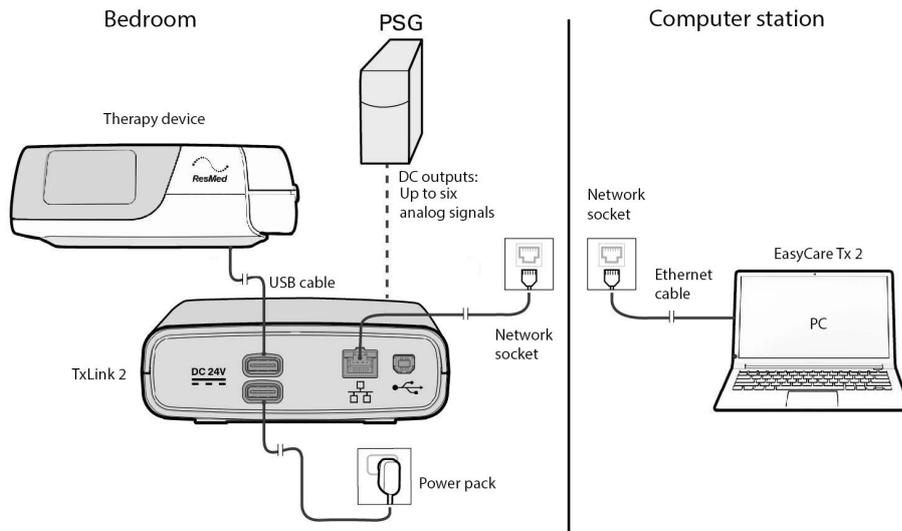
1. Open the **Control Panel**.
2. Select **Programs and Features**.
3. Locate **EasyCare Tx 2**.
4. Right-click and select **Uninstall**.



Important

If you uninstall EasyCare Tx 2, all associated security certificates will be removed from your computer. You must reconnect the TxLink 2 devices after you reinstall EasyCare Tx 2.

Set up EasyCare Tx 2



After you install the EasyCare Tx 2 software, you can connect the TxLink 2, AirSense 11, and PSG as shown in the diagram. Please refer to the EasyCare Tx 2 Titration Equipment Installation Guide for more information.

- ! **Important**
Digital integrations with PSGs may be available. Speak with your ResMed representative for details.

Log in to EasyCare Tx 2

After you make the physical connections between the Tx Link 2, the PSG and the ResMed therapy device, you can open EasyCare Tx 2 and log in.

EasyCare Tx 2 relies on your organization's Windows login policies to gain access to the program's features. You can log in using your Windows username and password. If you are currently using EasyCare Tx 2 on a computer that is part of a domain, you can log in to EasyCare Tx 2 with the same credentials you use to log in to Windows. Alternatively, you can log in to EasyCare Tx 2 using your local account credentials, if you have a local account.

Group policies associated with your Windows account are enforced when you log in to EasyCare Tx 2. For domain-based accounts, you can log in to EasyCare Tx 2 from any computer that is part of the same domain and has EasyCare Tx 2 installed.

- ! **Important**
The credentials you enter are for validation purposes only and are not stored anywhere in EasyCare Tx 2.

Connection Manager

If you have more than one trusted TxLink 2 device connected to EasyCare Tx 2 on your computer, you will see the **Connection Manager** window when you log in. The **Connection Manager** window lists all secure connections of TxLink 2 devices on this computer. It also displays the status of each TxLink 2 and its attached therapy device.

- ! **Important**
If EasyCare Tx 2 fails to discover any TxLink 2 devices on the network, it displays a device discovery window. On this window, you can try to discover devices again, or you can click **Continue** to advance to the **Connection Manager**.

Install EasyCare Tx 2 software

You must have Windows administrator access to securely connect EasyCare Tx 2 to a TxLink 2 device. Once you make a secure connection, the **Connection Manager** displays the trusted TxLink 2 device and its associated PAP device. After an administrator securely connects the TxLink 2 device, any user can open a titration window on the TxLink 2 by clicking **Connect**.

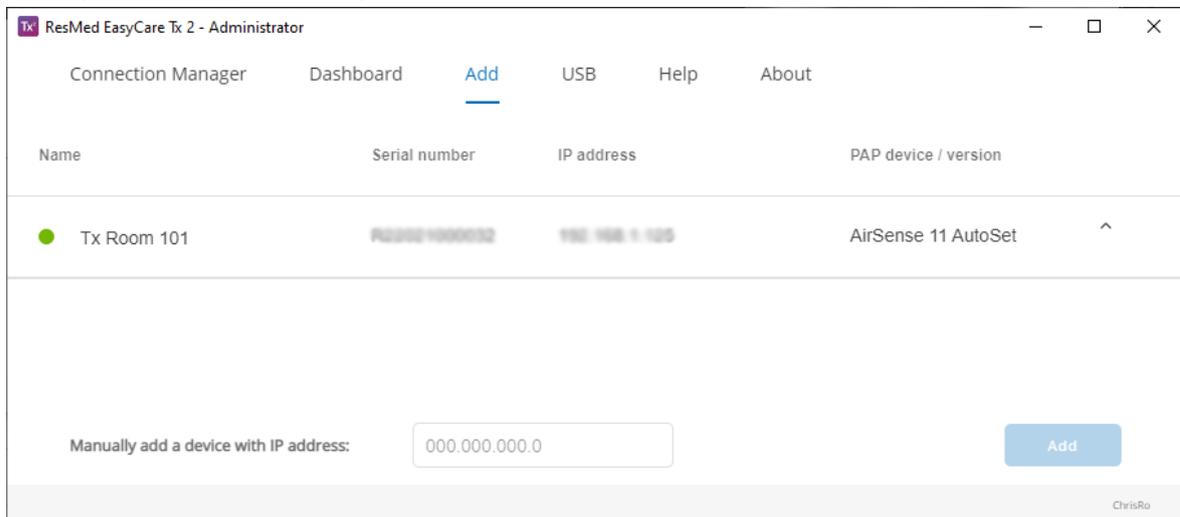


Important

Only Windows administrators can configure and add new TxLink 2 devices to the network. Clinical users can access and use all other administrative functions.

To make secure connections to TxLink 2 devices:

1. Right-click the EasyCare Tx 2 icon on the desktop.
2. Enter your Windows administrator username and password.
3. Log in to EasyCare Tx 2 using your Windows username and password.
4. Click **Administrator**, then click **Add**.
5. Use the device name or serial number to identify the TxLink 2 you want to control, and then click the expansion arrow on the right side of the row.



6. Select **Show in Connection Manager** to securely connect to this TxLink 2.
7. Click the **Dashboard** tab. The TxLink 2 now appears in the trusted devices list for this computer.
8. Any user (including clinical users) can switch to the **Connection Manager** tab and click **Connect** to open a titration window for the added TxLink 2 and its attached therapy device.



Important

Note that if a **TxLink 2** device is not discovered, no device details will show on this screen. You can search for a **TxLink 2** device with a known IP address by entering it in the **Manually add a device with IP address** field.

A Titration Equipment Installation Guide is available on the ResMed website for administrators.

Configure and calibrate

To use a TxLink 2 with a PSG system, you must complete the following three steps to configure and calibrate the DC output signals.

1. [Configure DC output signals](#)
2. [Calibrate DC output signals](#)
3. [Test DC output connectivity](#)

DC output settings are stored for each TxLink 2, so you must repeat the steps described here for every TxLink 2 device. (Learn how to [save](#) and [load](#) DC output signal configurations.)

Install EasyCare Tx 2 software

For help configuring and calibrating the TxLink 2, contact a ResMed representative or ResMed Technical Care. For help with PSG-related questions, see the PSG manufacturer's documentation.

Configure DC output signals

You must configure and calibrate each TxLink 2 DC output signal connected to the PSG. Each TxLink 2 device supports up to six **DC Outputs** (labeled **A** to **F**). The following table lists the DC output signals you can configure according to your clinical requirements.

Display	Options screen, Real-time data	DC outputs
Mask Pressure	Yes	Yes
Patient Flow	Yes	Yes
Filtered Leak	Yes	Yes
Respiratory Rate	Yes	Yes
Tidal Volume	Yes	Yes
Minute Ventilation	Yes	Yes
Oxygen Saturation	Yes	Yes
Pulse Rate	Yes	Yes
Inspiration Set Pressure	No	Yes
Expiration Set Pressure	No	Yes
CPAP Set Pressure	No	Yes

You can configure up to six TxLink 2 signals according to your therapeutic requirements (which may vary from patient to patient). You should manually configure the DC outputs for each signal, one at a time, to the output of your choice. Once you configure the DC output signals for a particular bed, you can save this configuration to use on other TxLink 2 devices.

Output	Signal	Low value	High value	Range
A	Mask pressure	0 cm H2O	30 cm H2O	0 to 1 V
B	Patient flow	-2 L/sec	2 L/sec	-1 to 1 V
C	Leak	0 L/sec	1 L/sec	0 to 1 V
D	Inspiration set pressure	0 cm H2O	40 cm H2O	0 to 1 V
E	CPAP set pressure	0 cm H2O	40 cm H2O	0 to 1 V
F	Minute ventilation	0 L/min	30 L/min	0 to 1 V

To configure DC output signals:

1. In the **Connection Manager** window, locate the TxLink 2 that you want to configure and then click **Connect** to open the titration window.
2. In the titration window, click **DC Outputs**.



Note

If the **DC Outputs** tab is not visible, you can change the **System setup** options to add it to the titration window.

3. Adjust the following DC output settings as required:

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Field	Description
Signal	Select the appropriate signal from the Signal lists. The Low value , High value and Range data changes to match the signal selected.
Low value	Enter the low value expected from the therapy device.
High value	Enter the high value expected from the therapy device.
Range	Select the range required on the DC outputs.

Output	Signal	Low value	High value	Range
A	Mask Pressure	2.2 hPa	15 hPa	0 to 1 V
B	Patient Flow	-120 L/min	180 L/min	-1 to 1 V
C	Filtered Leak	0 L/min	102 L/min	0 to 1 V
D	CPAP Set Press...	0 hPa	40 hPa	0 to 1 V
E	Tidal Volume	0 mL	4,000 mL	0 to 1 V
F	Respiratory Rate	0 breaths/min	90 breaths/min	0 to 1 V

4. Click **Apply**.



Important

To save or load a DC output signal configuration, click the arrow beside **Apply** and click **Save as** to save the file. Save the file with a memorable name in a convenient location and load individual files as clinical requirements change.

After you configure the DC output signals, you must [calibrate the DC outputs](#) and [test the DC output connectivity](#).

Calibrate DC output signals

After you configure the DC outputs, you must calibrate the corresponding PSG inputs. You can use EasyCare Tx 2 to send known high and low signal levels for this task. If you have not configured the DC outputs, see [Configure DC output signals](#) before you proceed.

1. In the titration window, click **DC Outputs**.
2. Select the signal (for example, **Mask Pressure** or **Patient Flow**) that you want to calibrate and click the arrow on the right side of the screen to expand that section.

Install EasyCare Tx 2 software

Output	Signal	Low value	High value	Range
A	Mask Pressure	2.2 hPa	15 hPa	0 to 1 V
B	Patient Flow	-120 L/min	180 L/min	-1 to 1 V
C	Filtered Leak	0 L/min	102 L/min	0 to 1 V
Calibrate				<input type="button" value="Send low"/> <input type="button" value="Stop"/>
D	CPAP Set Press...	0 hPa	40 hPa	0 to 1 V
E	Tidal Volume	0 mL	4,000 mL	0 to 1 V
F	Respiratory Rate	0 breaths/min	90 breaths/min	0 to 1 V

3. Click either **Send high** or **Send low** to send the signal to the PSG via the selected DC output.
4. Confirm that the **PSG software receives and correctly displays the high or low signal**.
5. Click **Stop**.
6. Repeat steps 3, 4 and 5 for all DC output channels that require calibration.

After you calibrate the DC output signals, you can test the DC output connectivity for each channel (see [Test DC output connectivity](#)).

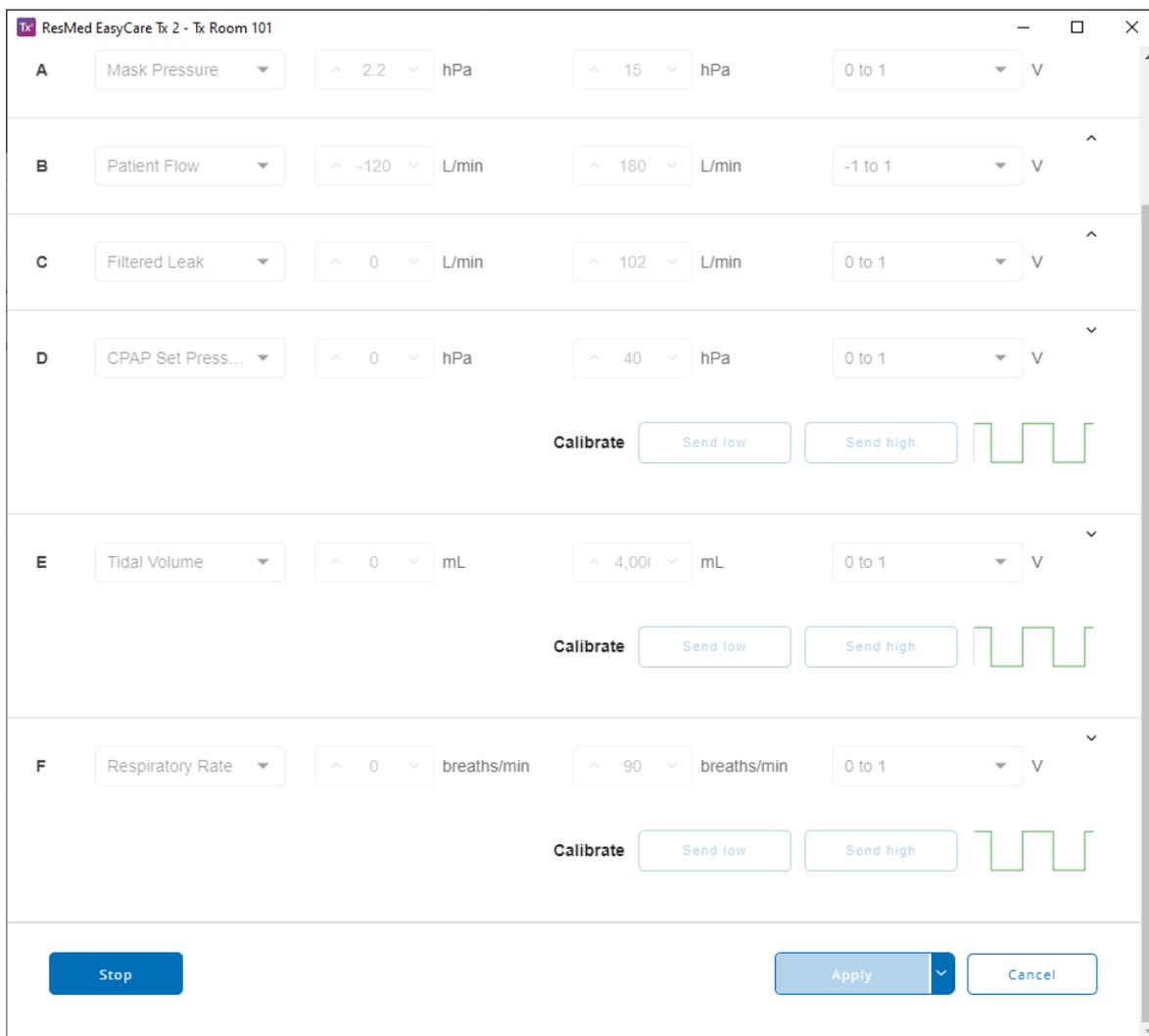
Test DC output connectivity

It is a good practice to test DC output channels prior to starting each titration. You can confirm the proper operation of the DC output channels visually through the test signal, which appears sequentially across all outputs. Before you test the connectivity, make sure that you have configured DC outputs (see [Configure DC output signals](#)) and calibrated DC outputs (see [Calibrate DC output signals](#)).

To test DC output signals:

1. In the titration window, click **DC Outputs**.
2. In the DC outputs window, click **Test all**. A square wave is applied sequentially to each output.

Install EasyCare Tx 2 software



3. Confirm that the PSG software displays a square wave. If you see a different signal, check the connectivity.
4. After you finish testing the signals, click **Stop**.

Export DC outputs

If you want to set up consistent DC output settings between TxLink 2 devices, you can save the settings for one TxLink 2 device to a configuration file. You can then apply this configuration file to other TxLink 2 devices on this computer or other computers.

To export DC output settings:

1. [Configure DC output signals](#).
2. Click the arrow next to **Save**.
3. Click **Save as**.
4. Choose a convenient location and a memorable file name for easy retrieval.

Import DC output settings

You can save the DC output signal configuration to a file on your computer, and then import the file and apply it to a TxLink 2 device.

To import DC output settings:

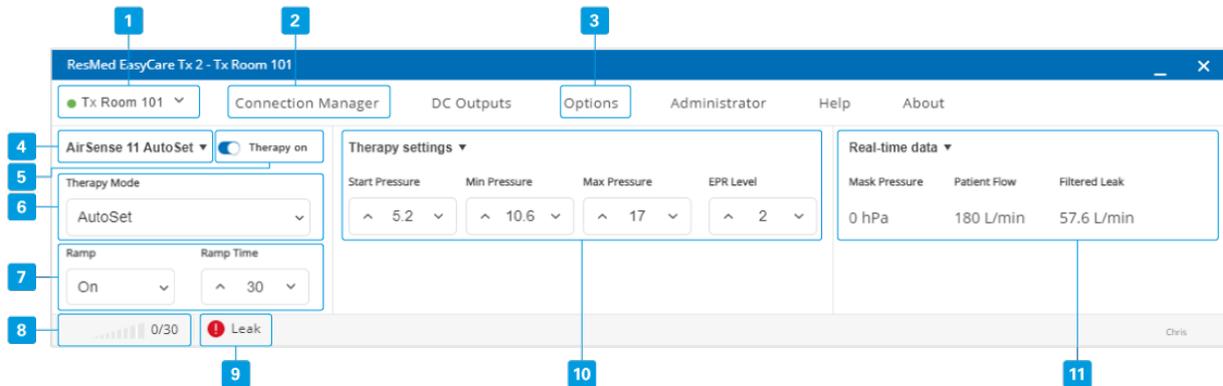
1. In the titration window, click **DC Outputs**.

Install EasyCare Tx 2 software

2. Next to the **Save** button, click the arrow and select **Load**.
3. Select the configuration file to import. The DC output data is loaded.
4. Click **Save**.

EasyCare Tx 2 titration window

The EasyCare Tx 2 titration window allows you to remotely control a therapy device while viewing current therapy settings and real-time data.



Number	Description
1	Name of the connected TxLink 2.
2	Connection Manager that lists all trusted TxLink 2 devices available on the network.
3	Options for your System setup , Therapy settings and Device settings .
4	Connected PAP device.
5	Therapy off and on option.
6	Therapy mode (see Therapy modes).
7	Ramp settings.
8	Ramp progress. If the Ramp setting is set to Auto , the progress bar cycles.
9	Leak alert.
10	Therapy settings.
11	Real-time data.

Prepare the PAP therapy device

EasyCare Tx 2 can control therapy device settings, such as Ramp, EPR™ (Expiratory Pressure Relief), SmartStart™, SmartStop, and Climate Control. For more information, refer to the therapy device's clinical guide.

Titrate a patient

The EasyCare Tx 2 [titration window](#) controls the TxLink 2 and the PAP therapy device.

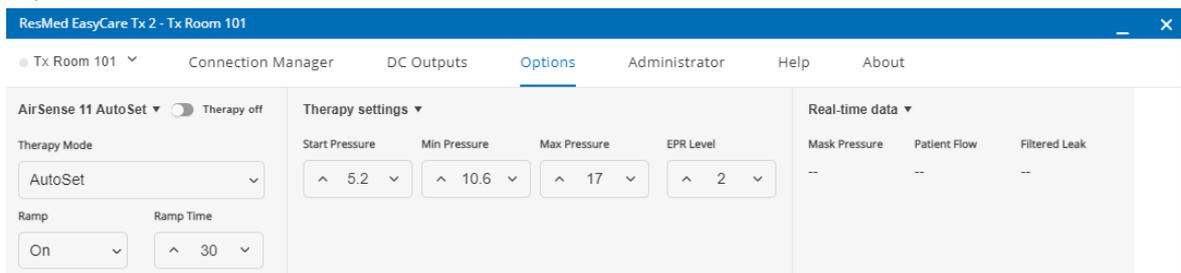
Before and during a titration session, you can perform the following actions:

- Adjust [therapy settings](#)
- Adjust [climate control and humidity settings](#)
- Adjust [system settings](#)
- [Customize real-time data](#)
- [Switch therapy modes](#)
- Adjust the [view of real-time data](#)

Start an EasyCare Tx 2 therapy session

To start a titration session with a preferred TxLink 2:

1. Log in to EasyCare Tx 2 and select the correct TxLink 2 from the **Connection Manager**.
2. From the **Therapy Mode** list, set the initial therapy mode for the session.
3. In the **Therapy settings** and **Device settings** sections, set each value as required.
4. From the **Ramp** list, choose one of the following settings:
 - **Off**: Ramp is turned off.
 - **On**: The pressure will gradually ramp over the period set in the titration window. When you select this option, you must also set the ramp duration.
 - **Auto**: The device will detect sleep onset and automatically rise to the prescribed treatment pressure.



5. When you are ready to start the titration session, toggle the **Therapy off** option to **Therapy on**. The **Ramp** icon pulses when **Auto** is selected to show that AutoRamp™ is active. Remaining ramp time is not displayed during AutoRamp.

Customize the titration window

You can customize EasyCare Tx 2 to suit your preferences with three categories of settings:

1. **Therapy settings**
2. **Device settings**
3. **System setup**

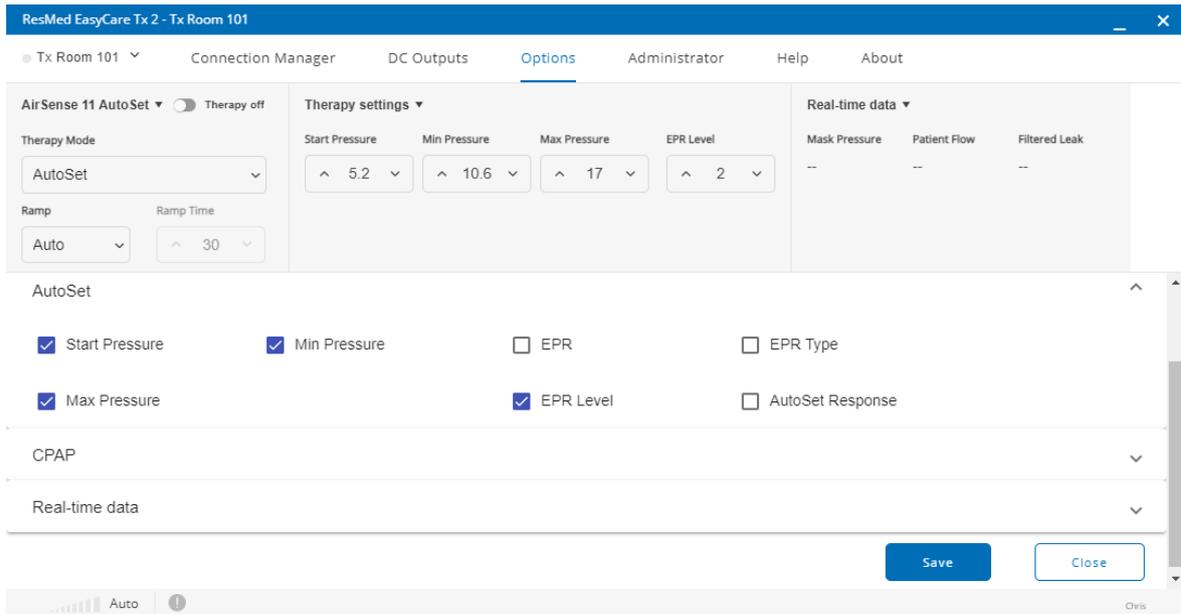
Therapy settings

You can customize the list of parameters that display in the **Therapy settings** section of the titration window.

To configure which therapy settings are displayed in the titration window:

1. Click **Options**.
2. Click **Therapy settings**.
3. From the **Therapy Mode** list, select one of the following modes: **CPAP**, **AutoSet for Her** or **AutoSet**.
4. From the expanded screen, select each therapeutic parameter you want to display and control on the titration window. Select at least one therapeutic parameter.

EasyCare Tx 2 titration window



5. Click **Save**. The titration window displays the selected therapeutic parameters and their current values.

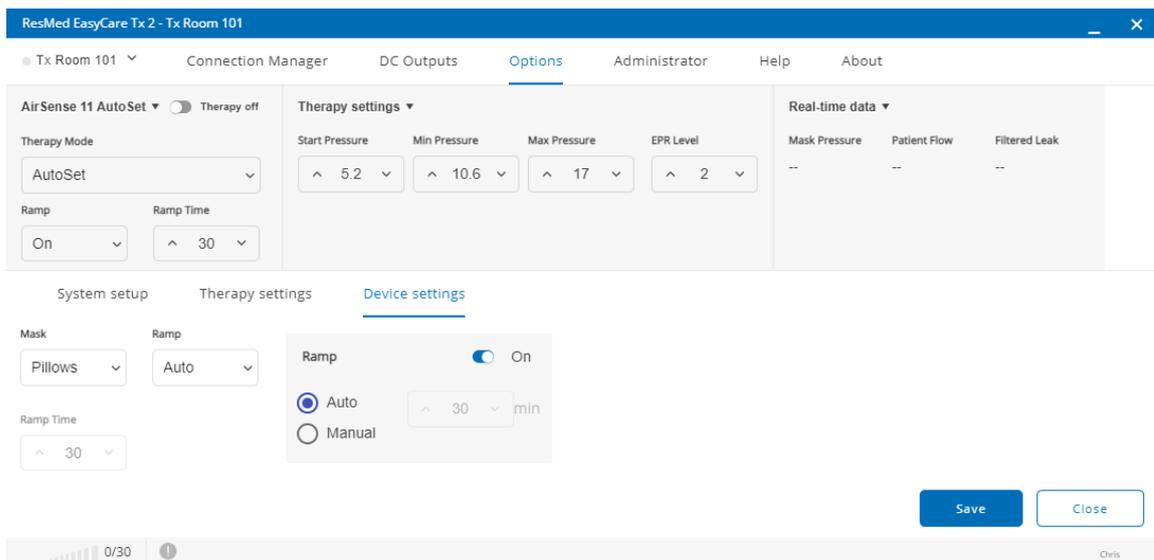


Important

You can also click the expansion arrow next to **Therapy settings** to list options available for display.

Device settings: mask, Climate Control and humidity settings

1. From the titration window, select **Options**.
2. From the **Mask** list, select one of the following mask types:
 - Pillows
 - Nasal
 - Full Face



3. From the **Climate Control** list, select one of the following options:
 - **Manual**: Select the required values for **Humidity Level** and **Tube Temperature**.
 - **Auto**: Automatically sets the **Humidity Level**. You cannot adjust the humidity settings from within EasyCare Tx 2 when set to **Auto**.



Important

Humidity settings are available in EasyCare Tx 2 only when a humidifier is attached to the PAP therapy device. Similarly, temperature settings are available only when a heated tube is connected.

4. From the **Ramp** list, choose one of the following settings:

- **Off:** Ramp is turned off.
- **On:** The pressure will gradually ramp over the period set in the titration window. When you select this option, you must also set the ramp duration.
- **Auto:** The device will detect sleep onset and automatically rise to the prescribed treatment pressure.



Important

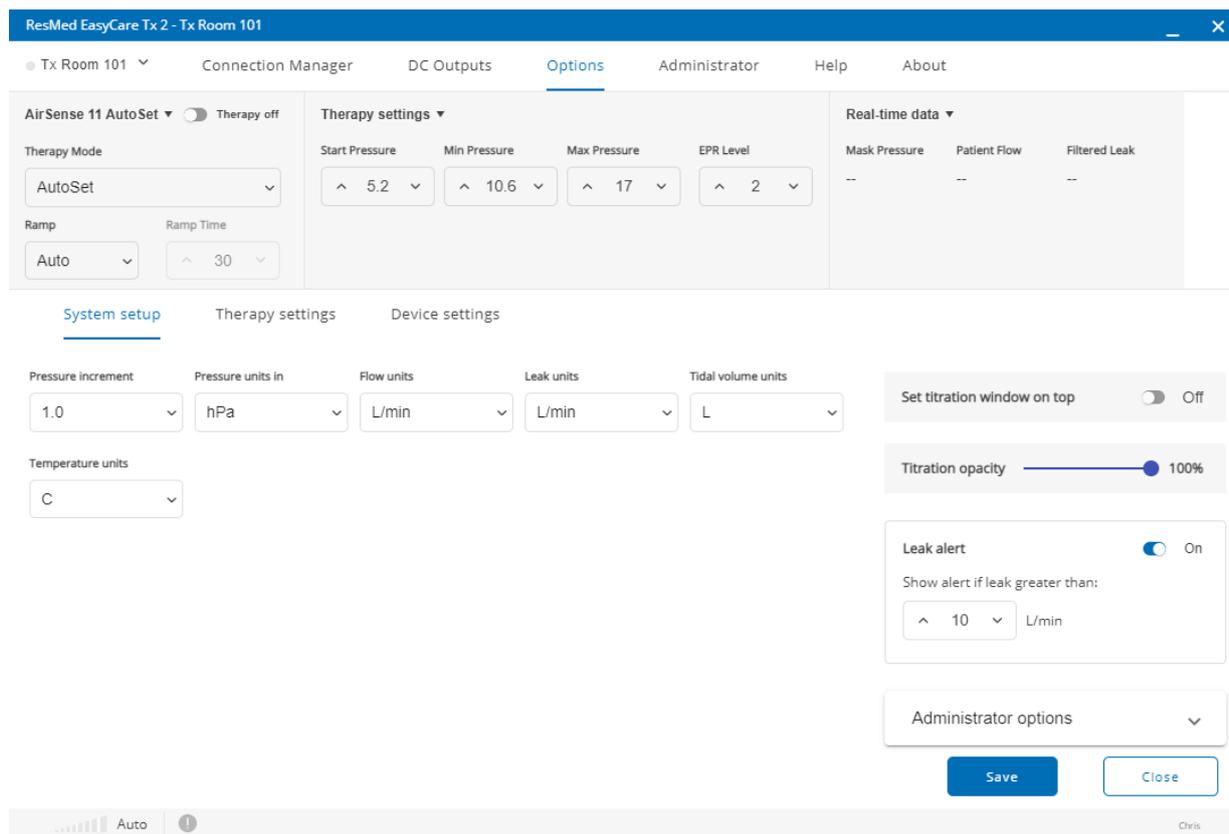
You can also click the expansion arrow next to the device description (for example, AirSense 11 AutoSet) to list options available for display.

Customize the system setup

From the **System setup** tab, select **Options** to change settings as required. The following table describes the system settings.

General settings	Description
Titration opacity	Adjust the opacity of the titration window by moving the slider. You can adjust the titration window to view the PSG software.
Set titration window on top	Set the titration window to appear on top of all other windows.
Pressure increment	Set the increment of the numeric control settings to 1.0 or 0.2 increments.
Pressure units in	Set the pressure units to hPa or cmH2O.
Flow units	Set the flow units to L/min or L/sec.
Tidal volume units	Set the tidal volume units to L or ml.
Temperature units	Set the temperature units to Fahrenheit (F) or Celsius (C).
Leak alert	If turned on, you can set a value for the leak alert threshold.
Administrator settings	Description
DC Outputs	Toggle this setting On or Off to display or hide access to DC Outputs .
Administrator tab	Toggle this setting On or Off to display or hide access to the Administrator tab.

EasyCare Tx 2 titration window



View real-time data

EasyCare Tx 2 automatically displays real-time therapy data from the connected therapy device in the titration window. The data displayed depends on the user preferences and therapy device that you selected. For instructions on selecting your preferred data, see [Customize real-time data](#).

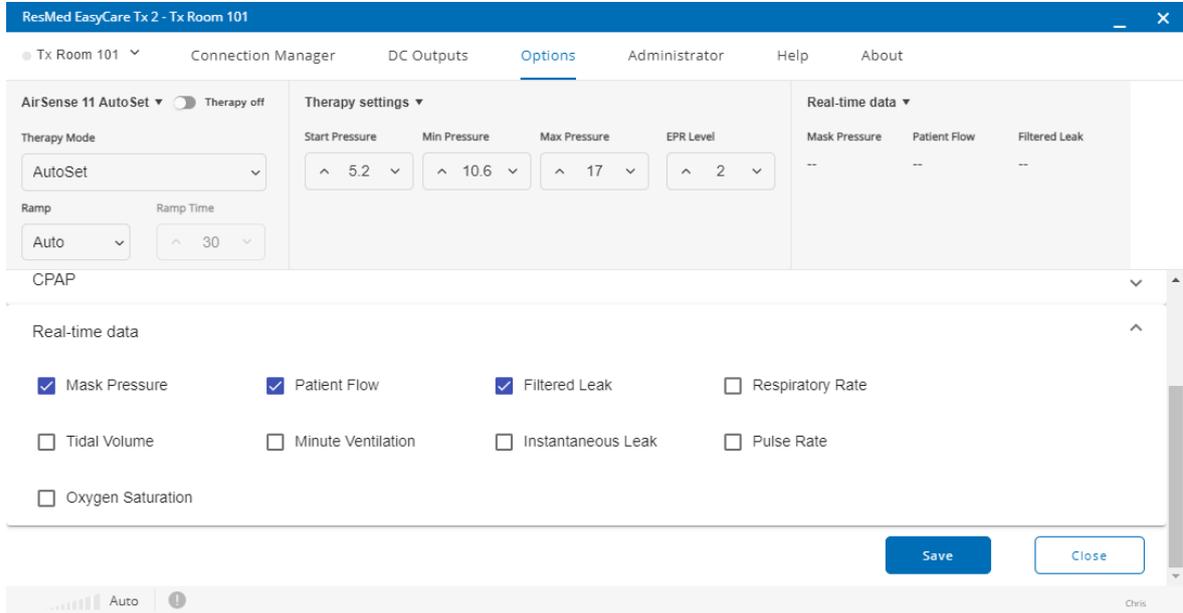
Parameter	Description
Patient Flow	Patient Flow is an estimate of the patient air flow. It is derived by taking the total flow and then removing the leak and mask vent flow components.
Filtered Leak	Leak is an estimate of the total rate of air escaping due to mouth and unintentional mask leaks. The correct mask setting is essential for accurate results. When the patient is asleep, a leak of less than 24 L/min (0.4 L/sec) is recommended to ensure correct device function, although a leak less than 12 L/min (0.2 L/sec) is preferred. A large leak rate of greater than 24 L/min, or a rapidly fluctuating leak rate may affect the accuracy of other measurements.
Minute Ventilation	Minute Ventilation (MVent) is the estimated volume of air breathed in, or out, within any 60-second period. A typical minute ventilation range for adults is 5-12 L/min.
Pulse Rate	Pulse Rate is the number of heart beats in a 60-second time frame. The pulse rate is calculated by an attached oximeter.
Mask Pressure	Pressure is an estimate of the pressure delivered at the mask.
Respiratory Rate	Respiratory Rate (RR) is the frequency of breathing, expressed as the number of breaths per minute.
Oxygen Saturation	SpO2 is the saturation of blood hemoglobin with oxygen, expressed as a percentage. The oxygen saturation is calculated by an attached oximeter.
Tidal Volume	Tidal Volume (TVol) is the volume of air inspired or expired in one respiratory cycle (breath).

Customize real-time data

You can customize the real-time therapy device data that appears on the EasyCare Tx 2 titration window to suit your preferences.

To customize real-time data:

1. Click **Options**.
2. Click **Therapy settings**.
3. Click **Real-time data** to expand the window.
4. Select the data items that you want to monitor.



5. Click **Save**.



Important

You can also click the expansion arrow next to **Real-time data** to list real-time options available for display.

Therapy modes

EasyCare Tx 2 supports three therapy modes. The available modes may vary, depending on the connected therapy device.

The following table describes all the therapy modes you can control with EasyCare Tx 2.

Therapy mode	Description
CPAP (Continuous Positive Airway Pressure)	Delivers a fixed pressure with optional Expiratory Pressure Relief (EPR). EPR can improve patient comfort.
AutoSet	Delivers CPAP therapy with optional EPR. Automatically adjusts the CPAP pressure in response to snore, flow limited breaths, and apneas.
AutoSet for Her	Delivers CPAP therapy with optional EPR. Automatically adjusts the CPAP pressure in response to snore, flow limited breaths, and apneas. This mode has a reduced rate of pressure increments compared to AutoSet therapy to help prevent arousals.

EasyCare Tx 2 supports switching therapy modes and changing therapy settings (see [Therapy settings](#)). The therapy settings available change depending on the therapy mode selected.

Adjust CPAP settings

CPAP therapy delivers a fixed pressure with optional Expiratory Pressure Relief (EPR) that can enhance patient comfort.

1. From the **Therapy Mode** menu, select **CPAP**.
2. Use the up and down arrows to adjust the following parameters as required:
 - **Start Pressure:** Initial pressure at the start of ramp. This parameter is available only if you enable the **Ramp** option.
 - **Set Pressure:** This sets the CPAP treatment pressure.
 - **EPR Level:** See [EPR](#).

Adjust AutoSet settings

AutoSet therapy automatically adjusts the CPAP pressure in response to snore, flow limited breaths and apneas, with optional EPR.

1. From the **Therapy Mode** menu, select **AutoSet**.
2. Use the up and down arrows to adjust the following parameters as required:
 - **Start Pressure:** Initial pressure at the start of ramp. This parameter is available only if you enable the **Ramp** option.
 - **Max Pressure:** Sets the maximum pressure delivered by the therapy device.
 - **Min Pressure:** Sets the minimum pressure delivered by the therapy device.
 - **EPR Level:** See [EPR](#).
 - **Response:** See [AutoSet Response](#).

Adjust AutoSet for Her settings

AutoSet for Her therapy automatically adjusts the CPAP pressure in response to snore, flow limited breaths and apneas, with optional EPR. This mode has a reduced rate of pressure increments compared to AutoSet therapy to help prevent arousals in patients.

1. From the **Therapy Mode** menu, select **AutoSet for Her**.
2. Use the up and down arrows to adjust the following parameters as required:

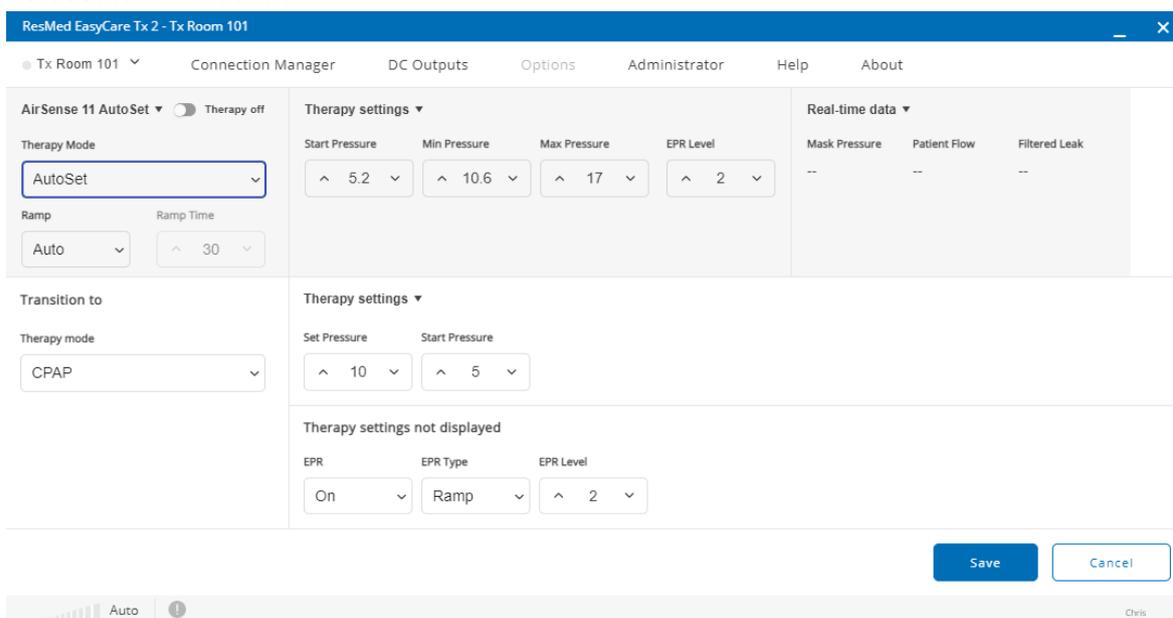
Therapy modes

- **Start Pressure:** Initial pressure at the start of ramp. This parameter is available only if you enable the **Ramp** option.
- **Max Pressure:** Sets the maximum pressure delivered by the therapy device.
- **Min Pressure:** Sets the minimum pressure delivered by the therapy device.
- **EPR Level:** See [EPR](#).

Transition to a different therapy mode

EasyCare Tx 2 allows you to manually switch between therapy modes. These manual transitions allow you to review and adjust all therapy parameters before changing the therapy.

1. From the **Therapy Mode** menu, select the transitional therapy. The titration window expands to reveal a **Transition to** section. The following image shows an AutoSet to CPAP transition.



2. Make the desired adjustments. To the right of the **Transition to** section are the **Therapy settings** that you can change. EasyCare Tx 2 displays all available settings that you can change for the new therapy mode. These settings may differ for each transition.
3. Once you are satisfied with your adjustments, click **Save**. The transition begins gently after you click **Save**.



Important

During a therapy mode transition, you can see all available therapy parameters for the selected therapy mode in the **Therapy settings** and **Therapy settings not displayed** sections. After the transition is complete, you can no longer see the therapy parameters in the **Therapy settings not displayed** section. To make these parameters visible again, click the **Options** tab and then click **Therapy settings** (see [Customize the titration window](#)).

Troubleshooting

Problem	Possible cause	Solution
EasyCare Tx 2 fails to install.	The operating system is not supported.	Use a computer with a supported operating system (Windows 10 or 11). For additional details, see Recommended system requirements .
I am unable to log in to EasyCare Tx 2.	The username and/or password you entered are incorrect. Your group policies are preventing you from accessing EasyCare Tx 2. You are attempting to log in to EasyCare Tx 2 on a computer that is connected to a different domain.	Contact your Windows system administrator.
My username and password are correct, but I am still not able to log in to EasyCare Tx 2.	Your group policies are preventing you from accessing EasyCare Tx 2. You are attempting to log in to EasyCare Tx 2 on a computer that is connected to a different domain.	Contact your Windows system administrator.
No TxLink 2 devices found on the network.	The TxLink 2 devices are not powered on.	Plug in and power on the TxLink 2 devices.
	The TxLink 2 devices are not connected to the network.	Connect the TxLink 2 devices to the network.
	The computer is not connected to the network.	Connect the computer to the network.
	The network is faulty.	Fix or replace faulty network or related components.
Cannot add a TxLink 2 device to Connection Manager .	You are not logged in to EasyCare Tx 2 as a Windows administrator.	Right-click the EasyCare Tx 2 icon and select Run as administrator . Enter your Windows administrator credentials to log in and add the TxLink 2 device.
Lost connection to TxLink 2.	A TxLink 2 power failure.	Plug in and power on the TxLink 2 device. Recycle power. Replace the power cable from another TxLink 2 device to test.
	A general network disruption.	Check if the network is working.
TxLink 2 fault.	A TxLink 2 internal error.	Unplug the TxLink 2 for 30 seconds and then plug it in again. If this step does not resolve the issue, contact ResMed Technical Support.
		Another user is connected to the selected TxLink 2.
Failed to connect to therapy device.	The therapy device is not powered on.	Plug in and switch on the therapy device. Check the power cable. Replace the power cable with a known working cable.
	The therapy device is not connected to TxLink 2.	Connect the therapy device and TxLink 2.
	The therapy device is not compatible with this version of EasyCare Tx 2 software.	The connected therapy device is not supported by this version of EasyCare Tx 2.
Lost connection to therapy device.	A therapy device power failure.	Switch on the therapy device. Check the cable. To isolate the problem, replace the current cable with one that is known to work.

Troubleshooting

Problem	Possible cause	Solution
	Communications to the therapy device are disrupted.	Reconnect the therapy device and TxLink 2. Replace the current connecting cable with one that is known to work.
Therapy device busy.	The therapy device is performing a Mask Fit function.	Check whether the therapy device is performing a Mask Fit function. If it is, complete the Mask Fit function at the therapy device and try again.
Therapy device fault.	A fault has occurred at the therapy device. This could be the result of an operational or internal error.	Check the titration window in EasyCare Tx 2 or the device itself for the fault description or error code. Refer to any instructions given and to the troubleshooting section of the therapy device's clinical guide. Contact ResMed Technical Support.
EasyCare Tx 2 display is faded.	The Titration opacity setting is too low.	Adjust the Titration opacity setting in your user preferences.
Titration opacity feature is not working properly.	A Windows graphics driver problem.	Update the Windows graphics driver.
Menu items disabled.	The TxLink 2 and/or therapy device is not connected.	Connect the TxLink 2 and/or therapy device.
	The disabled feature is not available on the connected therapy device.	Check these features are available and enable on the therapy device.
Communication problems between therapy device and EasyCare Tx 2.	The cable(s) are inserted into the wrong connector(s).	Insert the cable(s) into the correct connector(s).
	A cable or connector is faulty.	Replace the current cable with one that is known to work. Ensure that you are using a ResMed cable.
Device data not displayed on EasyCare Tx 2.	The therapy device is switched off.	Switch on the therapy device and wait a few seconds to establish the connection.
	The therapy device is in standby mode.	Turn on the therapy device.



Important

If any serious incident occurs in relation to this device, you should report it to ResMed and the competent authority in your country.

Glossary

This section defines some key terms used in this help.

Inspiration, expiration and CPAP set pressures

Inspiration Set Pressure, **Expiration Set Pressure** and **CPAP Set Pressure** are DC signals that show setpoint pressures for the current breath. **Inspiration Set Pressure** shows the inspiration pressure delivered by the device for the current breath. **Expiration Set Pressure** shows the expiration pressure delivered by the device for the current breath. **CPAP Set Pressure** shows a combination of inspiration and expiration set pressures. This concept is applicable to all therapies, including automatic modes as shown in the following table.

Therapy	Inspiration Set Pressure	Expiration Set Pressure	CPAP Set Pressure
CPAP	CPAP pressure	CPAP pressure less EPR level	CPAP pressure
AutoSet/AutoSet for Her	Current AutoSet pressure	Current AutoSet pressure less EPR level	Current AutoSet pressure

Inspiration Set Pressure and **Expiration Set Pressure** allow one common PSG montage to be used to capture pressure setpoints during titration of any therapy mode. **Inspiration Set Pressure** can be replaced by **CPAP Set Pressure** if required for compatibility with certain PSG systems.

Note that these signals are available from only some ResMed therapy devices.

EPR

In CPAP and AutoSet modes, EPR is designed to maintain optimal treatment for the patient during inhalation and reduce the delivered mask pressure during exhalation. The desired result of EPR is to decrease the pressure the patient must breathe out against, making the overall therapy more comfortable.

The features of EPR are:

- You can select the following options for EPR Level: Off, and 1, 2 or 3 cmH₂O.
- Pressure drop is limited to avoid sub-optimal treatment (maximum drop is 3 cmH₂O).
- When you enable EPR, the delivered pressure will not drop below a minimum pressure of 4 cmH₂O, regardless of the settings.
- You can set EPR to **Ramp** or **Full Time**.

AutoSet Response

For patients who are sensitive to fast changes in pressure during therapy, you can set the **AutoSet Response** to either **Standard** or **Soft**. If you set this feature to **Soft**, patients receive gentler pressure rises during therapy.

This setting is available only when titrating on an AirSense 11 AutoSet device and is not available in all regions.

Technical data

Symbols

Software and packaging

Symbol	Description
	Caution, consult accompanying documents.
	Batch code
	Catalog number
	Manufacturer
	European Authorized Representative
	Follow instructions for use
	Prescription only
	ResMed Schweiz GmbH Viaduktstrasse 40 4051 Basel CH

Help

Symbol	Description
	Indicates a warning or caution and alerts you to a possible injury or explains special measures for the safe and effective use of the device and software.

Admin: Configure a TxLink 2 device



Important

You must have Windows administrator privileges to perform the following procedures.

After you connect the TxLink 2 device to your computer using the supplied USB cable and turn on the TxLink 2, you can configure the TxLink 2 device settings in EasyCare Tx 2.

1. In EasyCare Tx 2, click the **Administrator** tab, then click the **USB** tab.
2. Click **Settings**.
3. Configure the following settings:

Field	Description
Name	Enter a name for the TxLink 2, such as "Ward 1 - Bed 1". This name is displayed in the EasyCare Tx 2 Connection Manager .
Dim LEDs for sleep	<p>On—Use this setting to minimize patient disturbance during titration. This setting dims the power LED and turns off the PAP device and network LEDs during titration.</p> <p>Off—The LEDs operate with full brightness at all times.</p>
Obtain IP automatically^a	Select this option if the TxLink 2 is connected to a DHCP managed network. This is the default setting.
Use the following^a	For networks requiring fixed IP addressing, enter the IP address allocated by your network administrator.
Subnet mask^a	Enter the subnet mask.
Default gateway^a	Enter the default gateway address.

^aContact your network administrator for the correct settings to use.



Important

For detailed information on setting IP addresses and other configurable administrative options, see the Titration Equipment Installation Guide.

TxLink 2 administration

After you connect the TxLink 2 with the provided USB cable to your sleep lab environment, you can perform the following actions from the **Administrator** tab in EasyCare Tx 2:

- Configure the TxLink 2 settings (see [Admin: Configure a TxLink 2 device](#)).
- Click **Display access code** to view the access code for the TxLink 2 device. You can use the access code to connect a TxLink 2 device to more than one EasyCare Tx 2 instance.
- Click **Reset device security** to break all secure connections to the TxLink 2 device.

Event logs

EasyCare Tx 2 maintains a log of activities carried out by each user who logs in. These logs are stored with other Windows event logs, and you can view them using the Event Viewer utility from Microsoft.

EasyCare Tx 2 records the following information to event logs:

- Attempts to start EasyCare Tx 2, along with the username supplied at login and an indication of whether or not access to EasyCare Tx 2 was granted.
- Attempts to close EasyCare Tx 2, along with the username supplied at the time of login.
- Successful connection to a TxLink 2 unit, along with the username at the time of login and the name of the TxLink 2 unit that was accessed.

Admin: Configure a TxLink 2 device

Logs are recorded in the default language set on your computer as long as that language is supported by EasyCare Tx 2. If your language is not supported by EasyCare Tx 2, all logs are recorded in English.