

Tobii Dynavox Virtual Remote User's Manual



User's manual Tobii Dynavox Virtual Remote

Version 1.1

05/2017

All rights reserved.

Copyright © Tobii AB (publ)

No part of this document may be reproduced, stored in a retrieval system, or transmitted in any form, by any means (electronic, photocopying, recording, or otherwise) without the prior written permission of the publisher.

Copyright protection claimed includes all forms and matters of copyrightable material and information allowed by statutory or judicial law or hereafter granted, including without limitation, material generated from the software programs which are displayed on the screen such as screen displays, menus, etc.

The information contained in this document is proprietary to Tobii Dynavox. Any reproduction in part or whole without prior written authorization by Tobii Dynavox is prohibited.

Products that are referred to in this document may be either trademarks and/or registered trademarks of the respective owners. The publisher and the author make no claim to these trademarks.

While every precaution has been taken in the preparation of this document, the publisher and the author assume no responsibility for errors or omissions, or for damages resulting from the use of information contained in this document or from the use of programs and source code that may accompany it. In no event shall the publisher and the author be liable for any loss of profit or any other commercial damage caused or alleged to have been caused directly or indirectly by this document.

Content subject to change without notice.

Please check Tobii Dynavox web site www.TobiiDynavox.com for updated versions of this document.

Table of Contents

1	About Tobii Dynavox Virtual Remote	4
1.1	Intended Use	4
1.2	System Requirements	4
2	Installing and Starting.....	5
2.1	Installing Tobii Dynavox Virtual Remote.....	5
2.2	Starting Tobii Dynavox Virtual Remote	5
3	Virtual Remote Overview	6
3.1	Virtual Remote Menu.....	6
3.2	The Active Remote	7
3.3	The Buttons.....	7
4	Using Tobii Dynavox Virtual Remote	9
4.1	At First Start Up	9
4.2	Change Active Remote	9
4.3	Using Buttons on a Remote	9
4.4	Add a Remote	10
4.4.1	Add a Preprogrammed Remote.....	10
4.4.2	Add a Unprogrammed Remote.....	14
4.5	Edit Mode	17
4.5.1	Change Name of a Remote	17
4.5.2	Delete a Remote	18
4.5.3	Make Changes to an Existing Active Button	19
4.5.4	Make Changes to an Existing not Programmed Button	22
4.5.5	Add a New Button to an Empty Space	24
4.6	Information	25

1 About Tobii Dynavox Virtual Remote

1.1 Intended Use

Tobii Dynavox Virtual Remote will open up control of your environment, hands free! Control everything from TVs, Apple TVs, IR toys and Stereos, to windows, blinds and doors!

Tobii Dynavox Virtual Remote requires compatible IR hardware. For more information, see *1.2 System Requirements*.

With Tobii Dynavox Virtual Remote you can:

- Use preprogrammed remote control signals
- Or manually program your own remote controls

1.2 System Requirements

Component	Requirements
Computer and processor	2.0 gigahertz (GHz) or faster, Dual-Core processor (recommended minimum).
Memory (RAM)	4 gigabyte (GB) RAM (recommended minimum).
Hard Disk	450 megabytes (MB) available
USB	USB 2.0
Operating System	Virtual Remote runs on both 32-bits and 64-bit versions of Microsoft Windows operating systems. When you run Virtual Remote 32-bit on a 64-bit version of a Windows operating system, the program runs in the 32-bit layer of the Windows operating system. <ul style="list-style-type: none">• Windows 7 (64-bit)• Windows 8.1 (32-bit or 64-bit)• Windows 10 (32-bit or 64-bit)
.NET version	4.5
Eye tracker	Any Eye tracker from Tobii Dynavox or Tobii Tech that supports Tobii Eye Tracking Core Software.
IR Remote Control	Any device that is equipped with a HBR IR chip like: Tobii Dynavox EyeR, Indi, I-Series I-110, or EyeMobile Plus.

2 Installing and Starting

2.1 Installing Tobii Dynavox Virtual Remote

If Windows Control is installed on the device, Virtual Remote is part of the Windows Control software and is automatically installed during installation of Windows Control.

If you need to install Virtual Remote, Virtual Remote can be downloaded from www.TobiiDynavox.com.



The installation Wizard will install the following applications:

- Tobii Dynavox Virtual Remote

To install Virtual Remote, follow the instructions on the screen.

2.2 Starting Tobii Dynavox Virtual Remote

To start Virtual Remote:

- Select the  Virtual Remote icon in Windows.
- or select the  Virtual Remote from Shortcuts in Windows Control.

3 Virtual Remote Overview



Figure 3.1 Overview of Virtual Remote

The Virtual Remote is divided into two areas:

- The Virtual Remote Menu, for more info see [3.1 Virtual Remote Menu, page 6](#).
- The Active Remote, for more info see [3.2 The Active Remote, page 7](#).

3.1 Virtual Remote Menu



Figure 3.2 The Virtual Remote Menu

The icons in the Virtual Remote menu are:

Task Button	Action	Description
+	Add Remote	Select this Action to Add a new Remote, see 4.4 Add a Remote , page 10 .
i	Information	Select this action to open the information page, see 4.6 Information , page 25 .
<	Left	Select this action to activate the remote that is to the left of the active remote.
>	Right	Select this action to activate the remote that is to the right of the active remote.
	Edit Mode	Select this action to go to the Edit mode of the active remote, see 4.5 Edit Mode , page 17 .
X	Close/Minimize	Select this action to minimize the Virtual Remote application.

3.2 The Active Remote

The active remote control is always the remote that is the middle in the Virtual Remote Menu, see *Figure 3.3 Active Remote*.

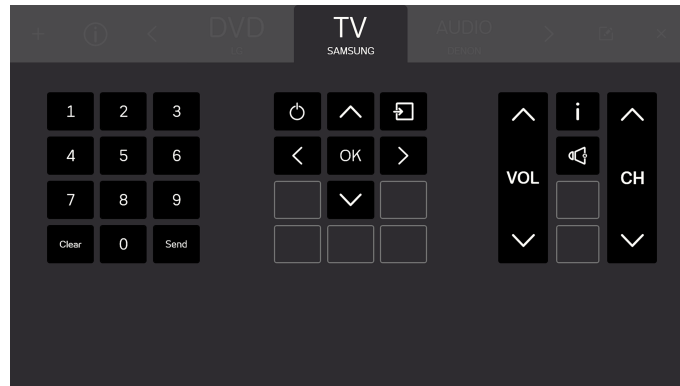


Figure 3.3 Active Remote



All buttons that are visible on the screen belong to the active remote.

You will also be able to see the names of up to two (2) more available remotes, one on each side of the active remote. You will only see the name and not the buttons for the available remotes until you make a remote the active one.

3.3 The Buttons

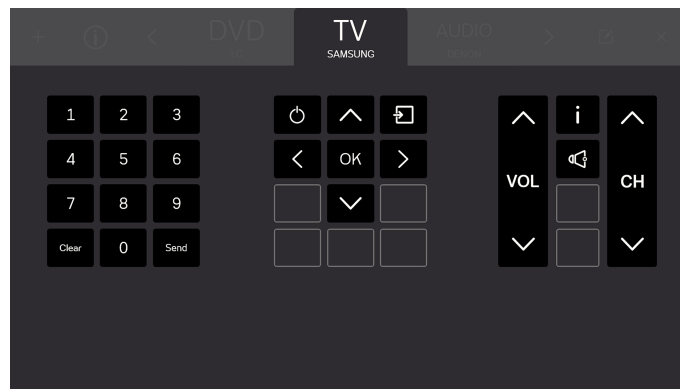




Figure 3.4 The Buttons

All buttons that are visible on the screen belong to the active remote. There are two (2) types of buttons in the Remote control.

- Active Button , see *Figure 3.5 Active Buttons, page 8*
- Inactive Buttons , see *Figure 3.6 Inactive Buttons, page 8*



The amount of buttons and the functions of the buttons will differ depending on which type of system the user wants to control.

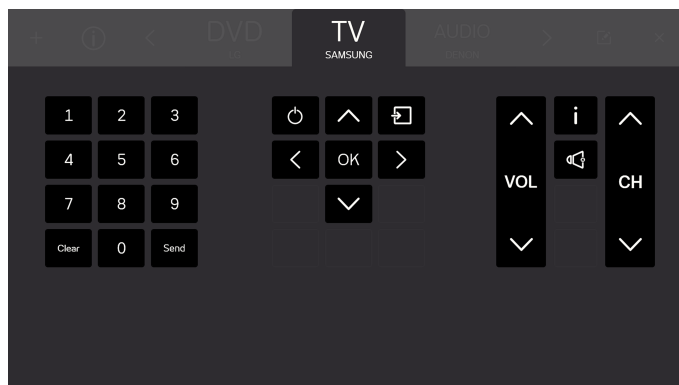


Figure 3.5 Active Buttons

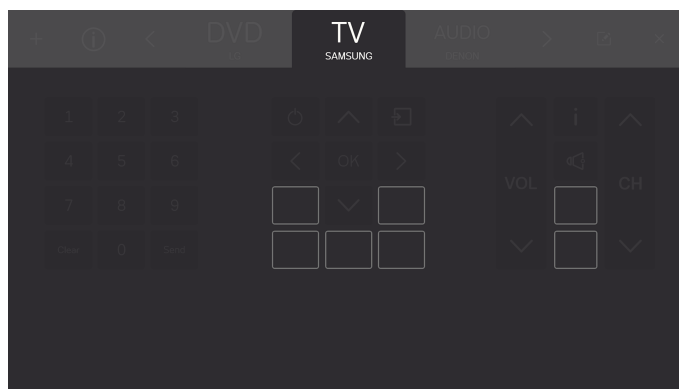


Figure 3.6 Inactive Buttons

4 Using Tobii Dynavox Virtual Remote

Tobii Dynavox Virtual Remote makes it possible for the user to control a TV, DVD, Audio etc system from the device.



All functions in Virtual Remote are Touch and Mouse enabled which makes it easier for a Caregiver or Assistant to help the user if needed.

4.1 At First Start Up

A short guide will introduce the user to the layout of the Virtual Remote software. Just follow the instructions on the screen.

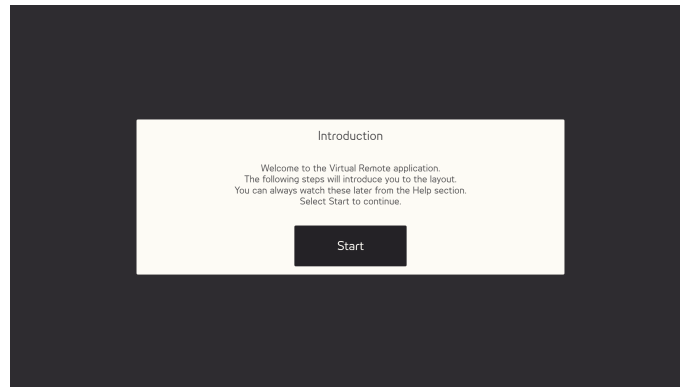


Figure 4.1 The Virtual Remote Introduction Screen.

4.2 Change Active Remote

To change Active remote:

- Select one of the names to the right or left of the active remote.
- or use the < and > button to scroll through the available remotes.



The active remote control is always the remote that is the middle in the Virtual Remote Menu.

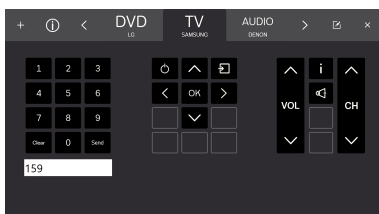
4.3 Using Buttons on a Remote

Just select the button you want to use to send the signal to the device. Volume buttons are usually configured to send out a continuous signal as long as the button is selected. For more information, see 4.5.3.1 *Signal Length*, page 20.

To enter a number greater than 9 (e.g. multiple digits), follow this procedure.

Numbers Greater than 9 Step List

1. Select all the numbers to send in the sequence they should be sent.
All selected numbers will be visible in a white box under the numbers section of the remote.



2. Select the **Send** button to send the signals to the device or **Clear** to delete all selected numbers.


4.4 Add a Remote

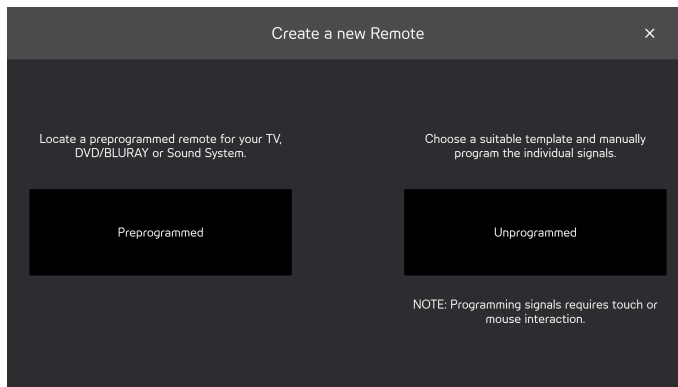
There are two (2) ways of adding a new remote.

4.4.1 Add a Preprogrammed Remote

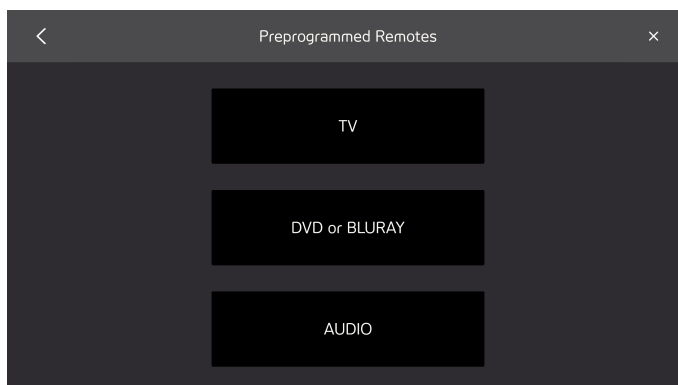
To add a new preprogrammed remote, follow this procedure:

Add a Preprogrammed Remote Step List

1. Select the  from the menu.
2. Select the Preprogrammed button



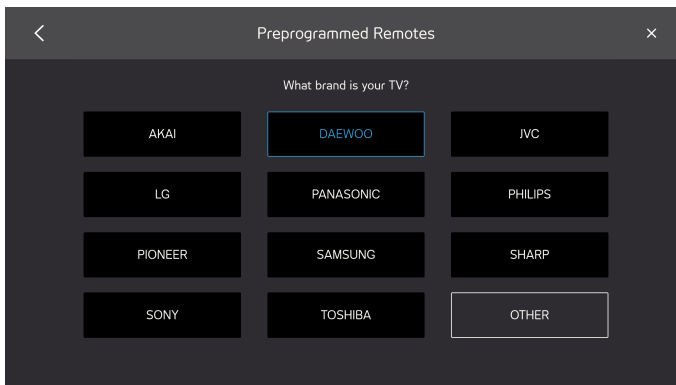
3. Select type of Preprogrammed Remote
 - TV
 - DVD/BLURAY
 - AUDIO



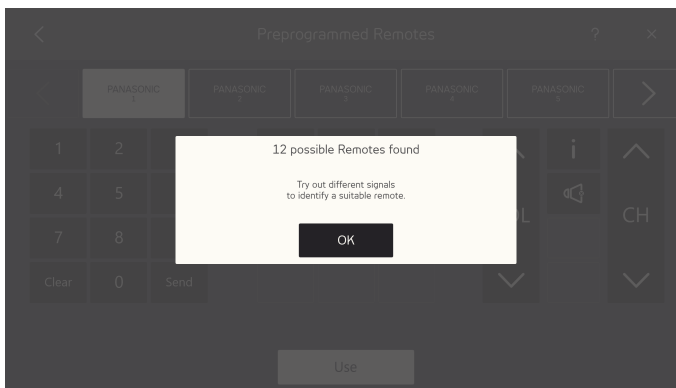
4. Select the brand from the list



If you can't find the brand, select **Other**, for more info see [4.4.1.1 Other Remotes, page 12](#)

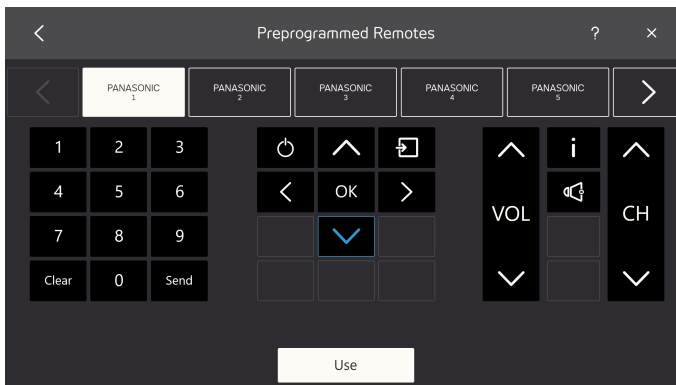


- When a brand is selected, a popup will show with information about how many available preprogrammed remotes there are.





Select the **OK** button.

- Select a remote.



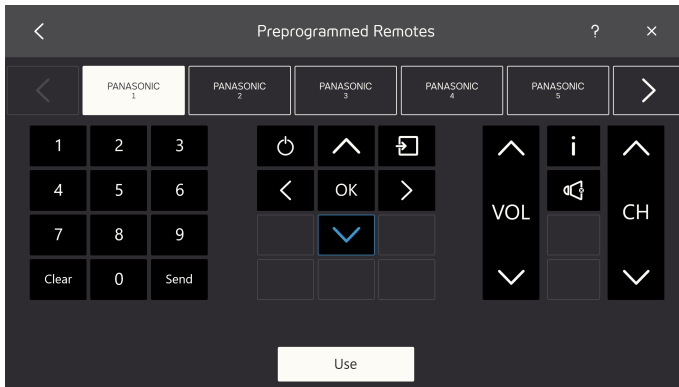
- Try our different signals on the selected remote to identify a suitable remote.
- Repeat step 6 & 7 until the most suitable remote have been found.



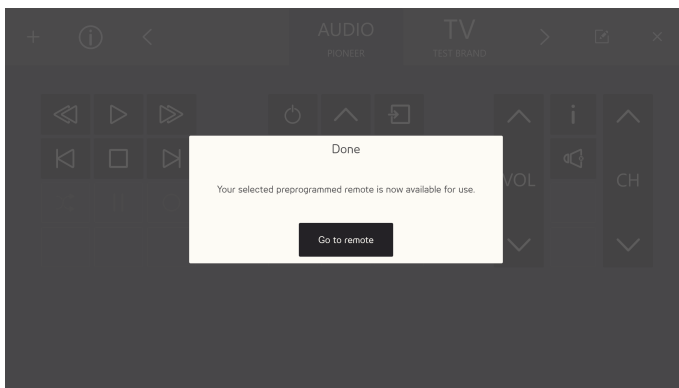
Use the  and  button to scroll through the available remotes.

- Select the most suitable remote.

10. Select **Use** button.



11. The selected remote will be copied to the available remotes.



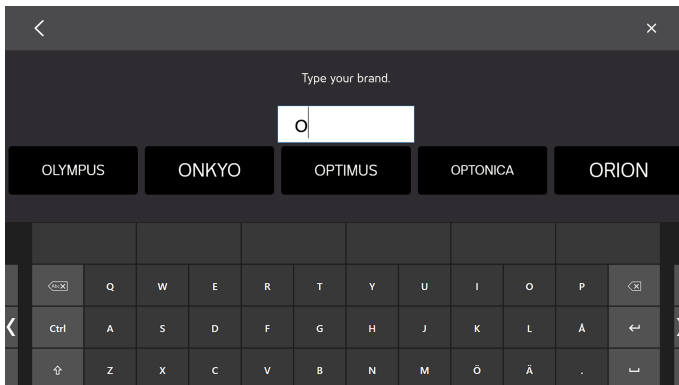
Select the **Go to Remote** button to finalize.

4.4.1.1 Other Remotes

To add other remotes, follow this procedure:

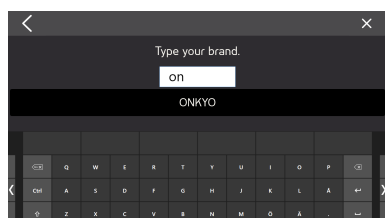
Add Other Remotes Step List

1. Follow step 1 — 3 in the step list: *Add a Preprogrammed Remote Step List, page 10.*
2. Select the **Other** button.
3. Type the brand name in the text box.

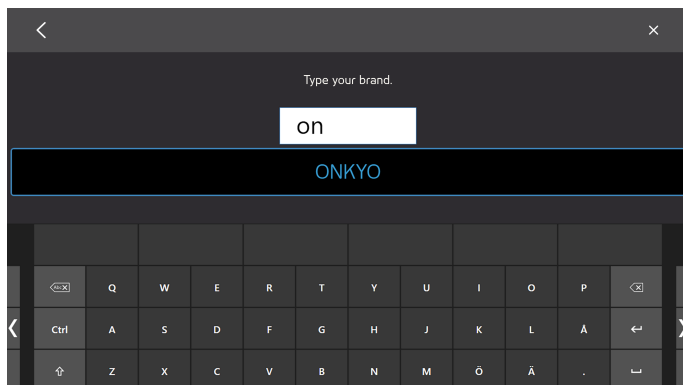




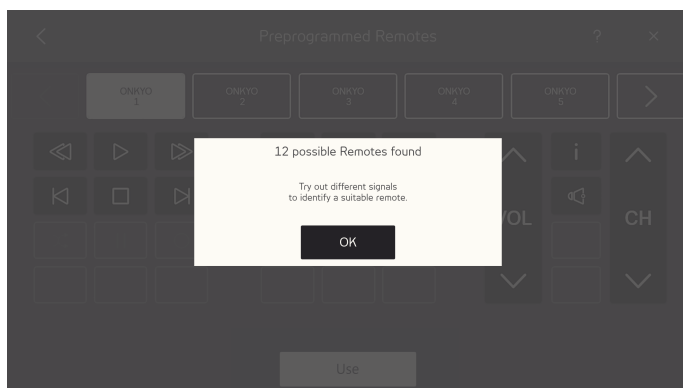
To narrow down the search result, type more characters.



4. Select the brand.

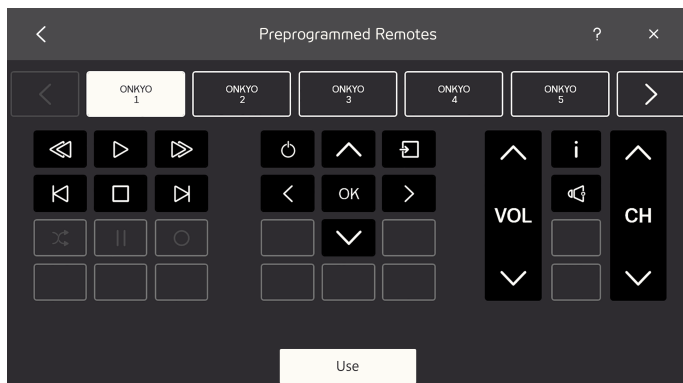


5. When a brand is selected, a popup will show with information about how many available preprogrammed remotes there are.



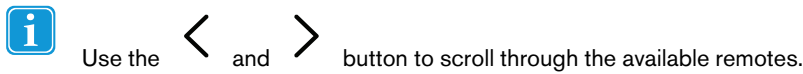
Select the **OK** button.

6. Select a remote.



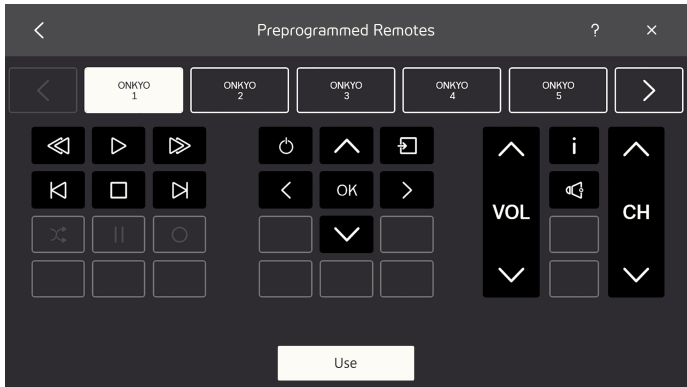
7. Try out different signals on the selected remote to identify a suitable remote.

8. Repeat step 6 & 7 until the best possible remote have been found.

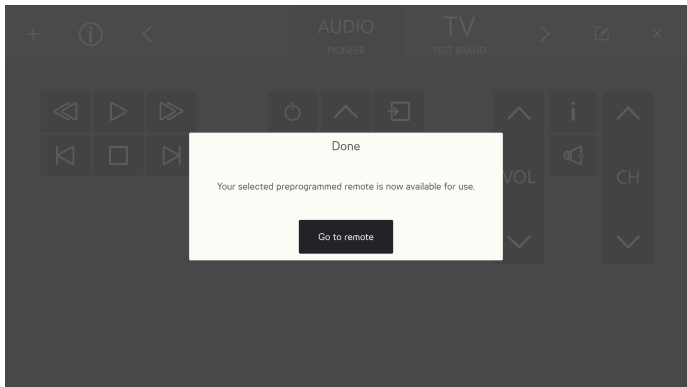


9. Select the most suitable remote.

10. Select **Use** button.



11. The selected remote will be copied to the available remotes.



Select the **Go to Remote** button to end finalize .

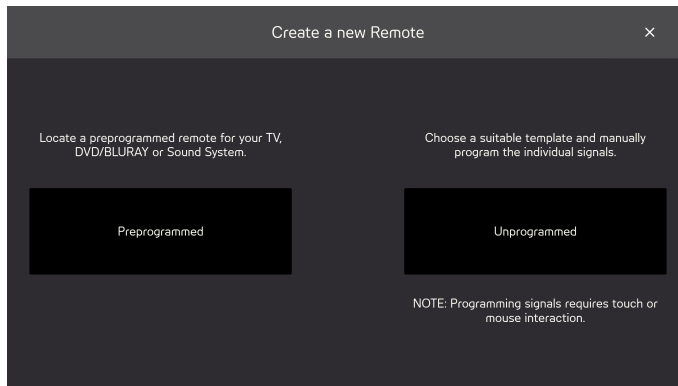
4.4.2 Add a Unprogrammed Remote

To Add a new Unprogrammed remote, follow this procedure:

Add a Unprogrammed Remote Step List

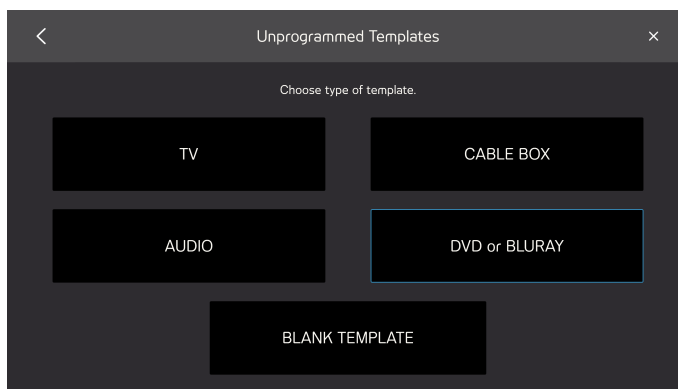
1. Select the  from the menu.

2. Select the Unprogrammed button

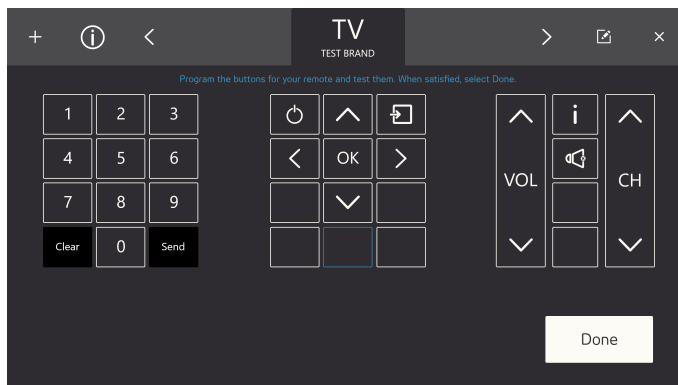


3. Select type of Unprogrammed Remote

- TV
- AUDIO
- CABLE BOX
- DVD or BLURAY
- BLANK TEMPLATE



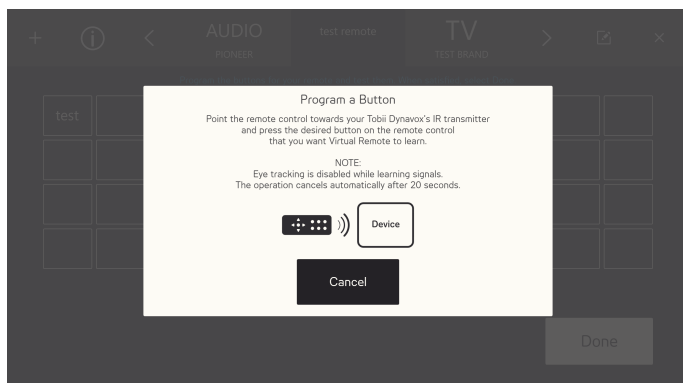
4. Select a button to program.



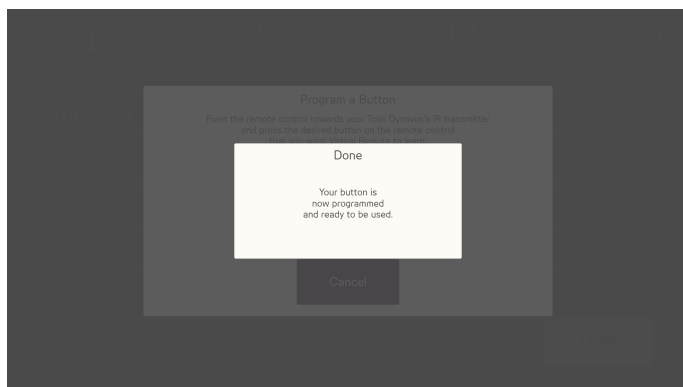
The available icons will differ depending on what type of Remote control that was selected in Step 3.

5. Select a button to program.

- Point the remote control your Tobii Dynavox IR receiver and press the desired button on the remote control that you want Virtual Remote to learn.



- When the signal is saved in Virtual Remote the **Done** popup will show.



The popup will close down automatically after a few seconds.

- Repeat step 5 — 7 until you have programmed all the needed buttons on the remote.



To change or delete buttons on the Remote control you need to finish programming and go to Edit mode. For more information about Edit mode, see [4.5 Edit Mode](#), page 17.

- Select **Done** to finalize.




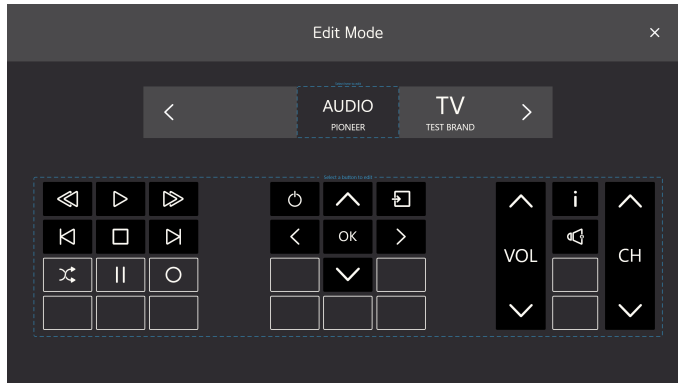
4.5 Edit Mode



With Edit mode you can make changes to existing remotes. Make sure the remote control you want to edit is the active remote. To enter Edit mode, follow this procedure:

Edit Mode Step List

1. Select the  (Edit mode) button.




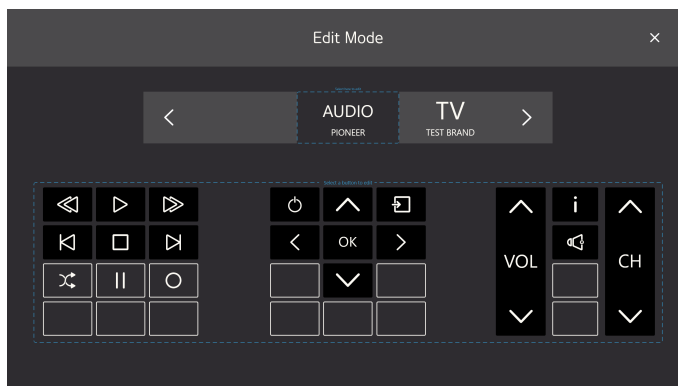
2. Select the which section of the remote control to make changes to. The following changes can be made:
 - Change Name of the Remote, see [4.5.1 Change Name of a Remote, page 17](#)
 - Delete a Remote, see [4.5.2 Delete a Remote, page 18](#)
 - Make changes to an existing active button, see [4.5.3 Make Changes to an Existing Active Button](#).
 - Make changes to an existing not programmed button, see [4.5.4 Make Changes to an Existing not Programmed Button, page 22](#).
 - Add a new button to an empty space, see [4.5.5 Add a New Button to an Empty Space, page 24](#)

4.5.1 Change Name of a Remote

To change the name of a remote, follow this procedure:

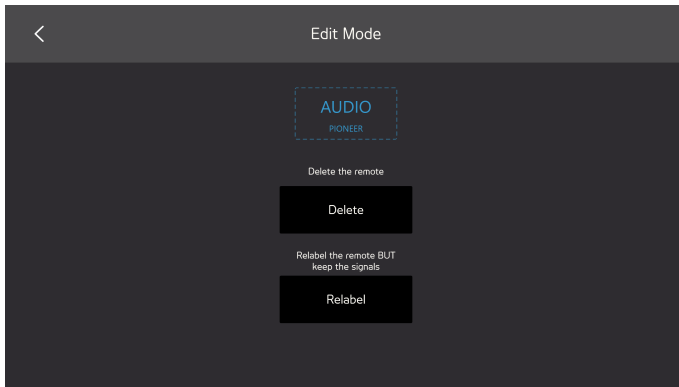
Change Name of a Remote

1. Select the  (Edit mode) button.



2. Select the “Select here to edit” box around the name of the remote control.

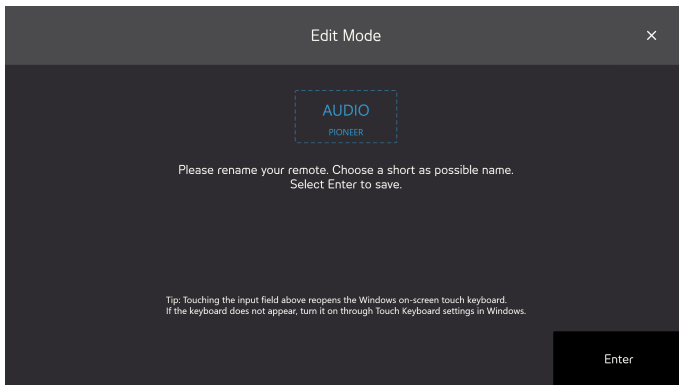
3. Select the **Relabel** button.



4. Type the new label.



Ensure you use a short name.




5. Select the **Enter** key on the keyboard to finalize the relabeling.

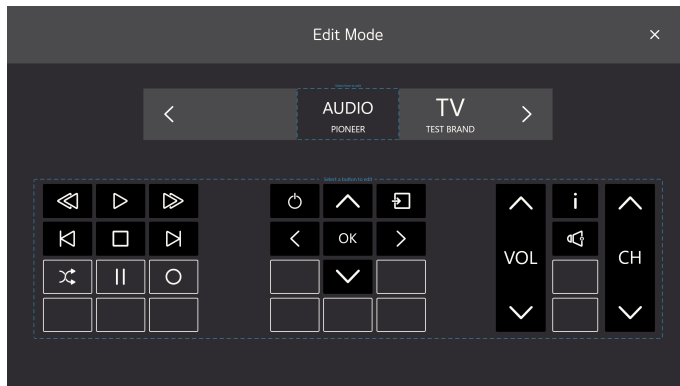
6. Select the  icon to exit Edit mode.

4.5.2 Delete a Remote

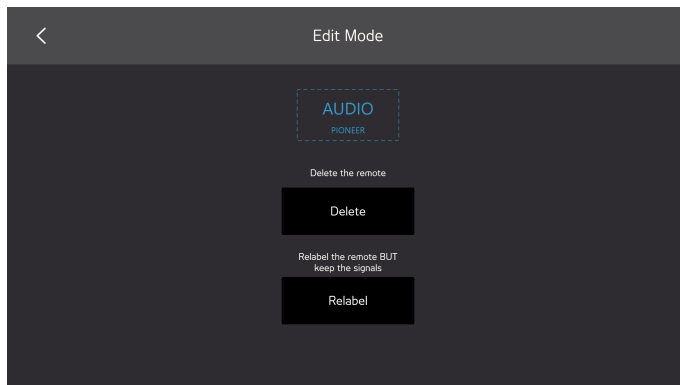
To delete a remote, follow this procedure:

Delete a Remote Step List

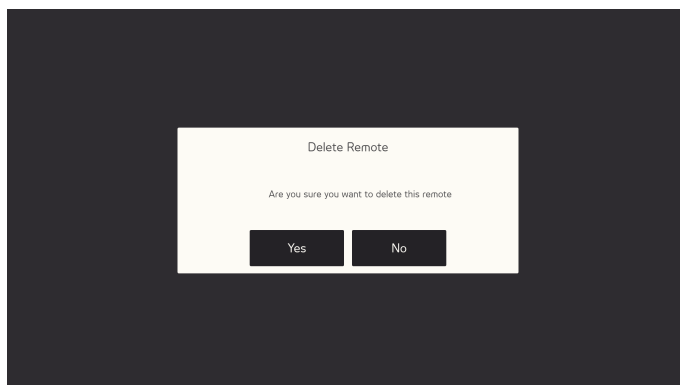
1. Select the  (Edit mode) button.



2. Select the “Select here to edit” box around the name of the remote control.
3. Select the **Delete** button.



4. Select:
 - **Yes** to Delete
 - **No** to Cancel




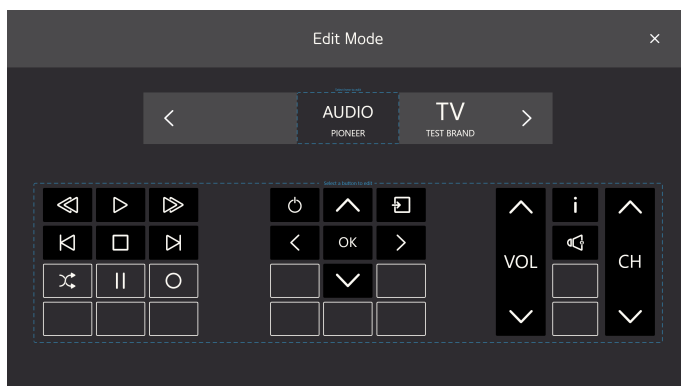
5. Select the  icon to exit Edit mode.


4.5.3 Make Changes to an Existing Active Button

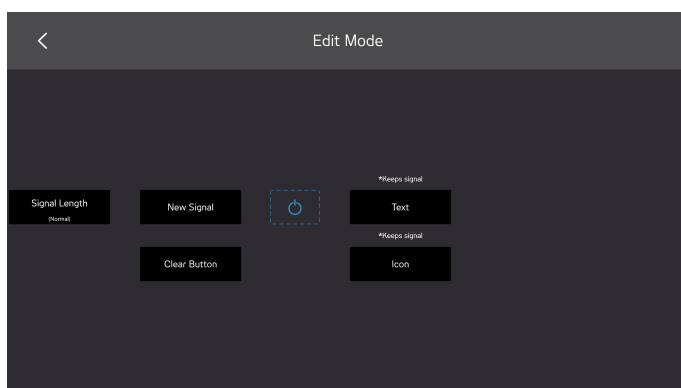
To make changes to an existing active button, follow this procedure:

Make Changes to an Existing Active Button Step List

1. Select the  (Edit mode) button.



2. Select a button, with a black background and icon or text, e.g. , in the "Select a button the edit " box around the remote control buttons.
3. Select one of the following actions:
 - Signal Length, see 4.5.3.1 *Signal Length*.
 - New Signal, see 4.5.3.2 *New Signal*, page 21
 - Change Text, see 4.5.3.3 *Change Text*, page 22
 - Change Icon, see 4.5.3.4 *Change Icon*, page 22
 - Clear Button, will erase all the information stored on the button.



4. Select the  icon to exit Edit mode.

4.5.3.1 Signal Length

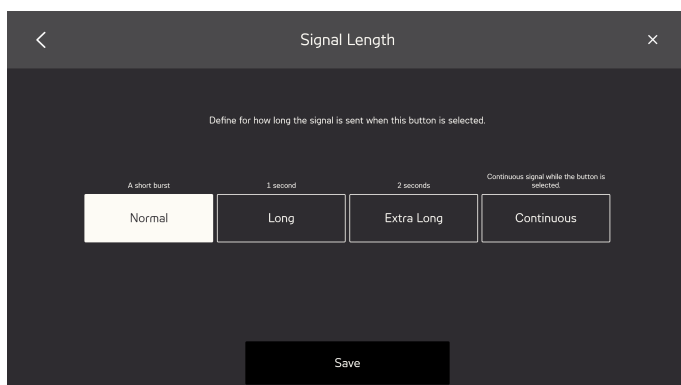
In order for the receiving unit to understand the signal sent from the Virtual Remote, you may need to change the signal length. The signal length must also be set if you want a button to continuously send the signal for as long as you select the button.

Select one (1) of the following alternatives:

- Normal — will send out the IR signal in a short burst.
- Long — will send out the IR signal during one (1) second.
- Extra long — will send out the IR signal during (2) seconds.
- Continuous — will send out the signal as long as the button is selected.



This is a typical setting for a volume button for example

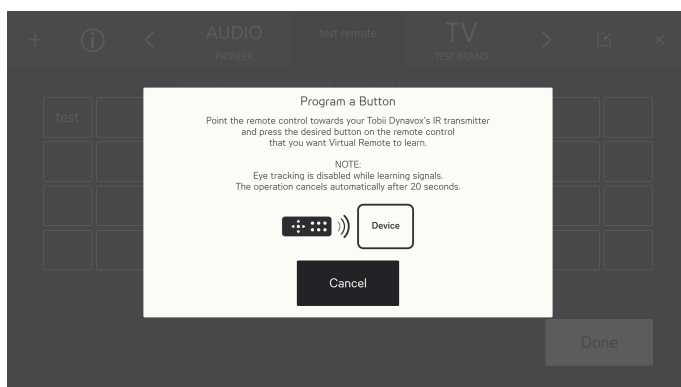


4.5.3.2 New Signal

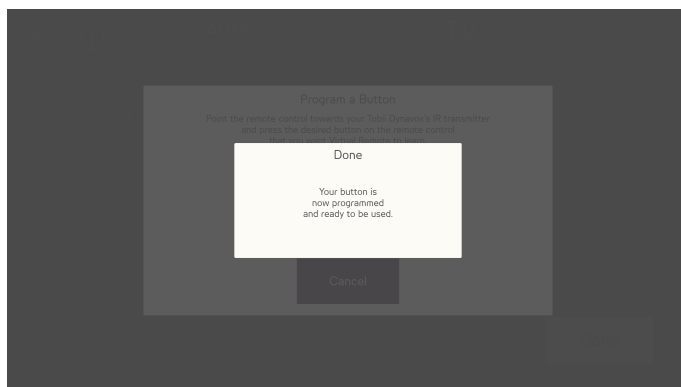
To program a new signal for a button, follow this procedure:

New Signal Step List

1. Point the remote control towards your Tobii Dynavox IR receiver and press the desired button on the remote control that you want Virtual Remote to learn.



2. When the signal is saved in Virtual Remote the **Done** popup will show.



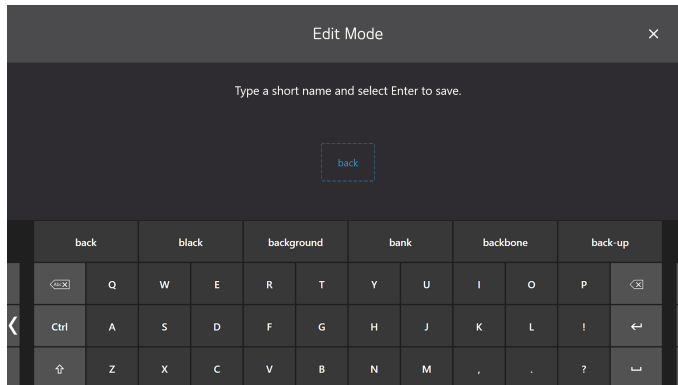
The popup will close down automatically after a few seconds.

4.5.3.3 Change Text

To change text, follow this procedure:

Change Text Step List

1. Type the text that should be on the button.

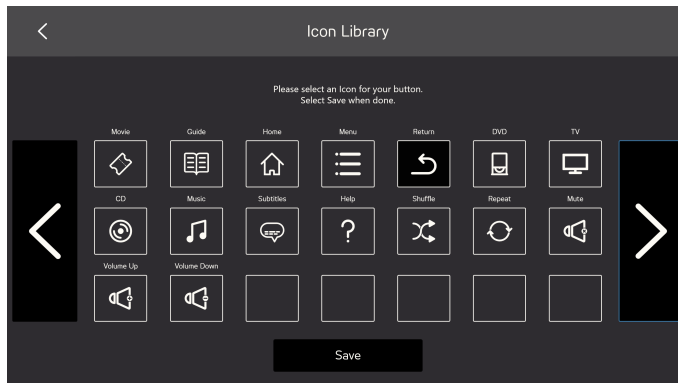


2. Select the Enter/Return key on the keyboard to accept the text.

4.5.3.4 Change Icon

To change icon, follow this procedure:

1. Select an available icon.




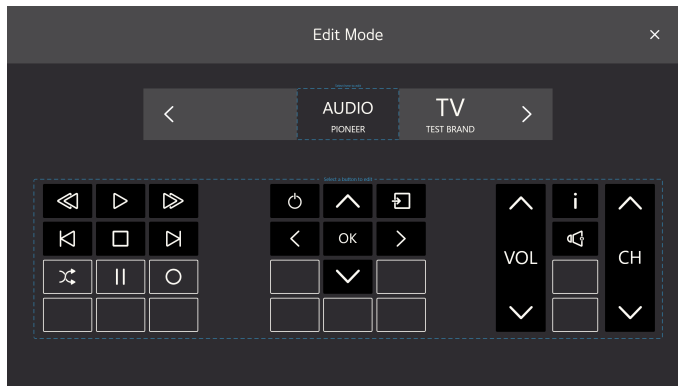
2. Select the **Save** button to accept the icon.


4.5.4 Make Changes to an Existing not Programmed Button

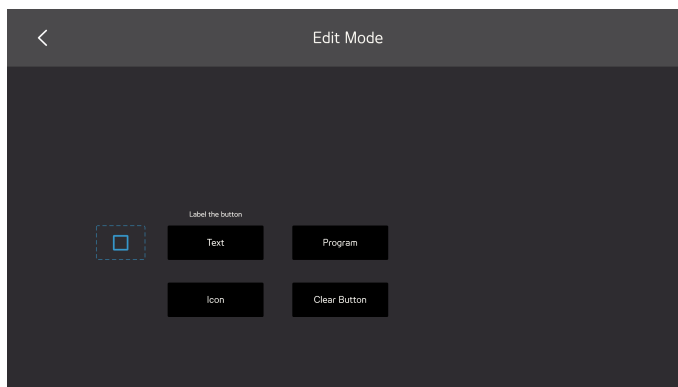
To make changes to an existing not programmed button, follow this procedure:

Make Changes to an Existing not Programmed Button Step List

1. Select the  (Edit mode) button.



2. Select a button, with a grey background and icon or text, e.g. , in the "Select a button the edit " box around the remote control buttons.
3. Select one of the following actions:
 - Program, see 4.5.4.1 *Program*, page 23
 - Change Text, see 4.5.3.3 *Change Text*, page 22
 - Change Icon, see 4.5.3.4 *Change Icon*, page 22
 - Clear Button, will erase all the information stored on the button.



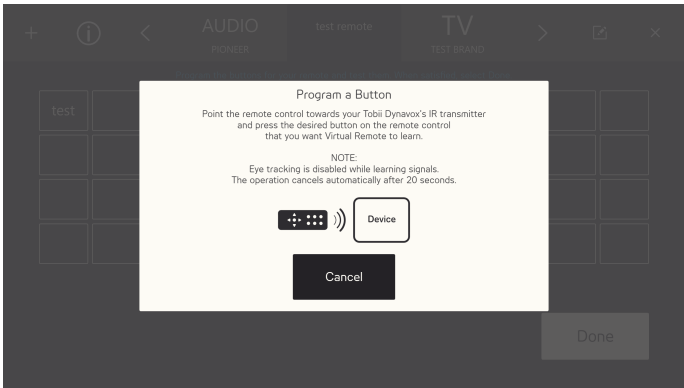
4. Select the  icon to exit Edit mode.

4.5.4.1 Program

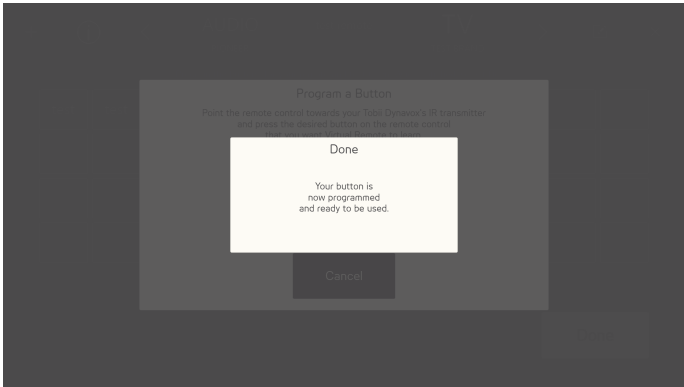
To program a signal for a button, follow this procedure:


Program Step List

- 1. Point the remote control towards your Tobii Dynavox IR receiver and press the desired button on the remote control that you want Virtual Remote to learn.



- 2. When the signal is saved in Virtual Remote the **Done** popup will show.




 The popup will close down automatically after a few seconds.


4.5.5 Add a New Button to an Empty Space

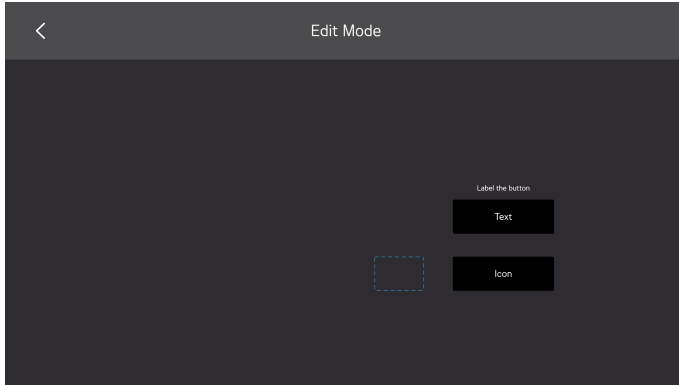
To add a new button to an empty space, follow this procedure:

Add a New Button to an Empty Space Step List

- 1. Select the  (Edit mode) button.



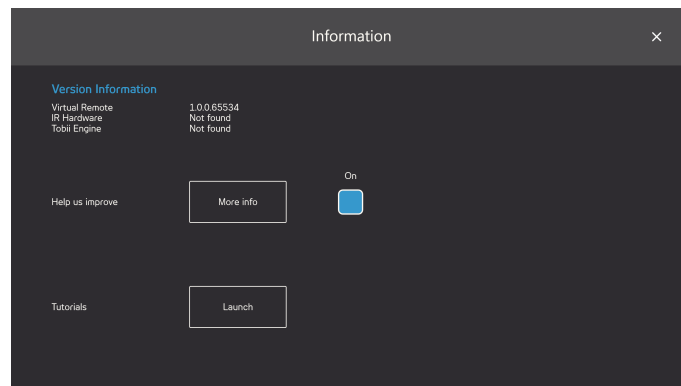
2. Select a button, with a grey background and that is empty, e.g. , in the "Select a button the edit " box around the remote control buttons.
3. Select one of the following actions:
 - Change Text, see 4.5.3.3 *Change Text*, page 22
 - Change Icon, see 4.5.3.4 *Change Icon*, page 22



4. Select the  icon to exit Edit mode.

4.6 Information

In the Information page you will find all the Version Information for both the hardware and the different pieces of softwares.



Help us improve: To help Tobii Dynavox improve the software, toggle the On/Off check box to **On** . Select the More info button to open a page with information about what this is all about. For more information, see *Figure 4.2 Data Collection*, page 26.

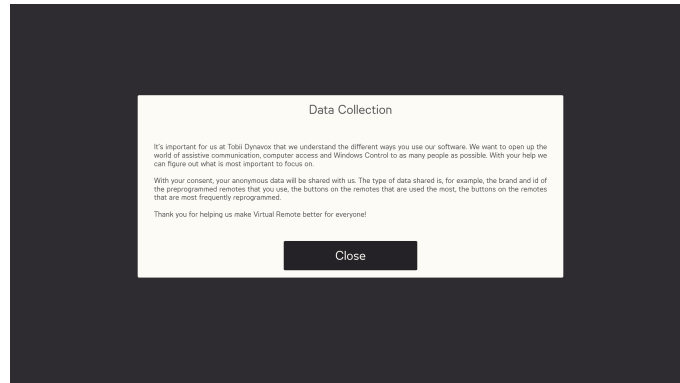


Figure 4.2 Data Collection

Tutorials: You will also be able to launch the Virtual Remote Tutorial by selecting the **Launch** button.



Copyright ©Tobii AB (publ). Illustrations and specifications do not necessarily apply to products and services offered in each local market. Technical specifications are subject to change without prior notice. All other trademarks are the property of their respective owners.

Support for Your Tobii Dynavox Device

Get Help Online

See the product-specific Support page for your Tobii Dynavox device. It contains up-to-date information about issues and tips & tricks related to the product. Find our Support pages online at: www.TobiiDynavox.com or www.myTobiiDynavox.com.

Contact Your Sales Representative or Reseller

For questions or problems with your product, contact your Tobii Dynavox sales representative or authorized reseller for assistance. They are most familiar with your personal setup and can best help you with tips and product training. For contact details, visit www.TobiiDynavox.com/contact