



# Ruwido Remote Control

## Programming and connecting

## Introduction

This document provides a comprehensive guide on how to program your remote control using a mobile app and connect it to your TV. The process is streamlined for ease of use and is divided into two main sections.

The first section covers the steps necessary to program the remote control by downloading a specific app from either Google Play or the App Store, followed by instructions on selecting the correct TV brand and model.

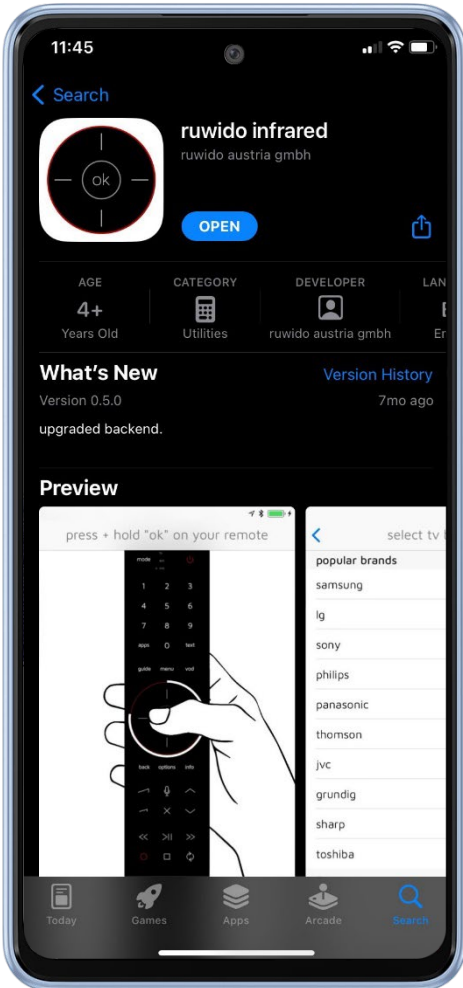
The second section delves into connecting the programmed remote control to the TV, including accessing a secret menu using an IR remote or a USB keyboard, navigating through TV settings to the "Remotes & Accessories" menu, and initiating the pairing mode on the remote.

By following these detailed instructions, you will be able to successfully pair your remote control with your TV, enhancing your viewing experience with seamless control.

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# 1 Programming the remote using a mobile app



First, download the app displayed on the left using Google Play or App store.



[App Store link](#)

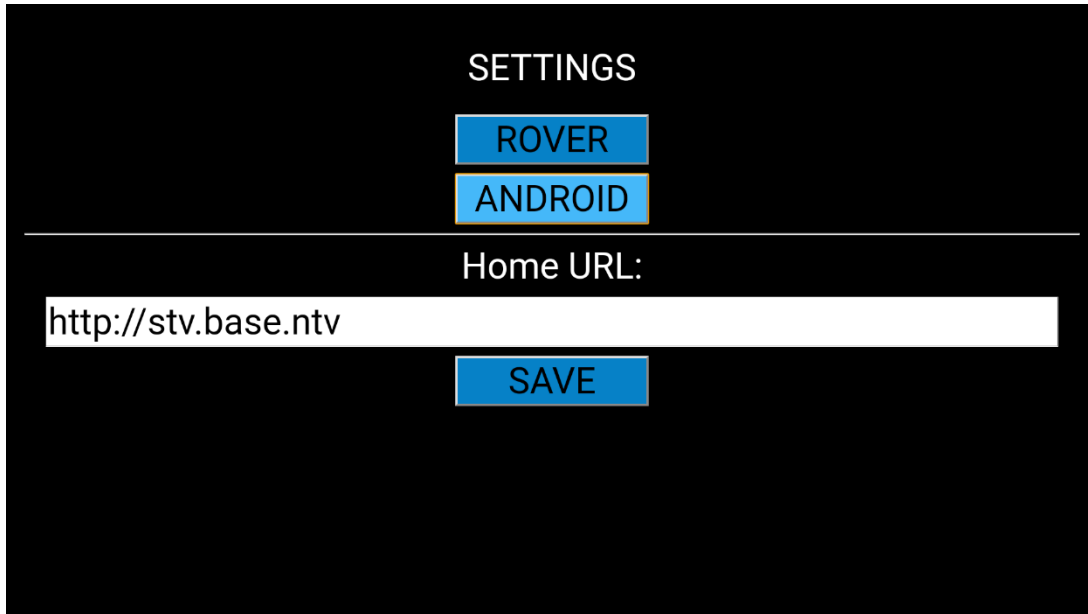


[Google Play link](#)

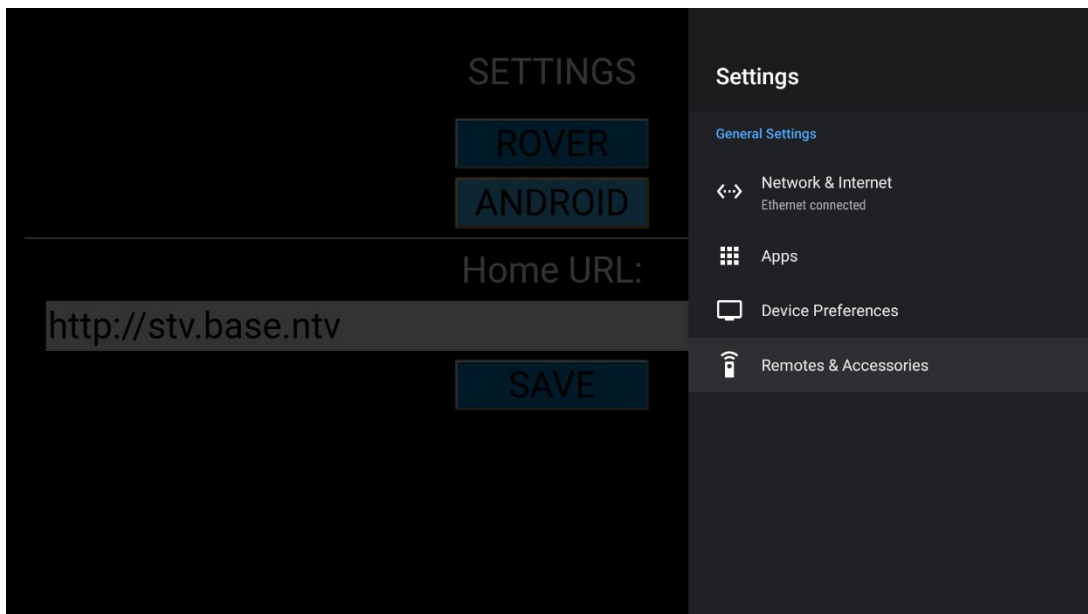
Once downloaded, simply follow the app instructions and select the correct TV brand and model to program the remote control.

## 2 Connecting the remote control to the TV

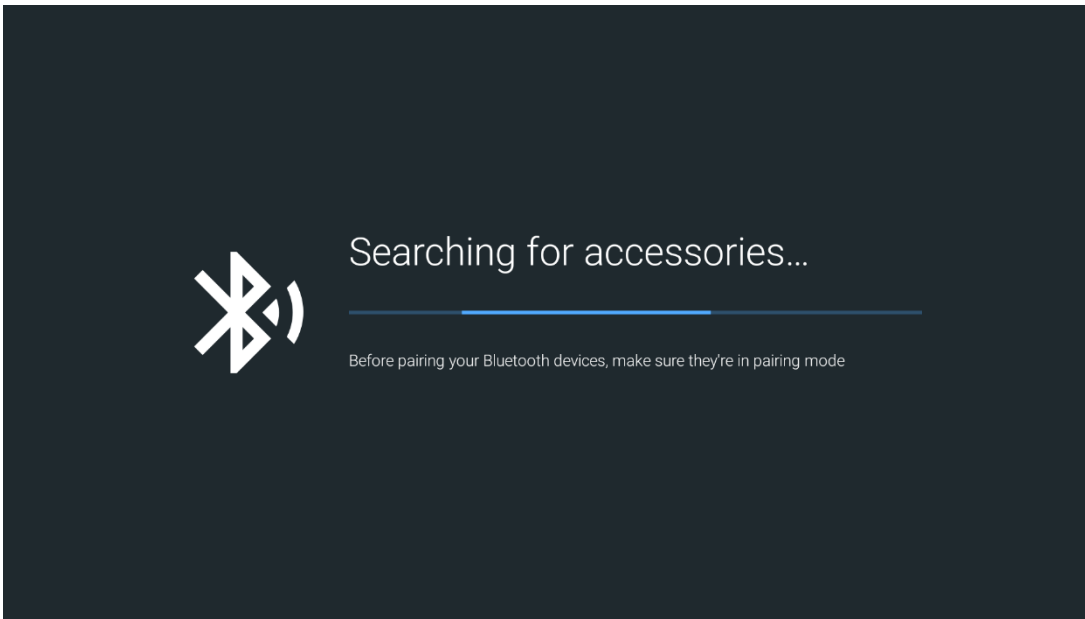
Press 1590 on an IR remote to open the secret menu or connect a USB keyboard to the STB and press the same keys.



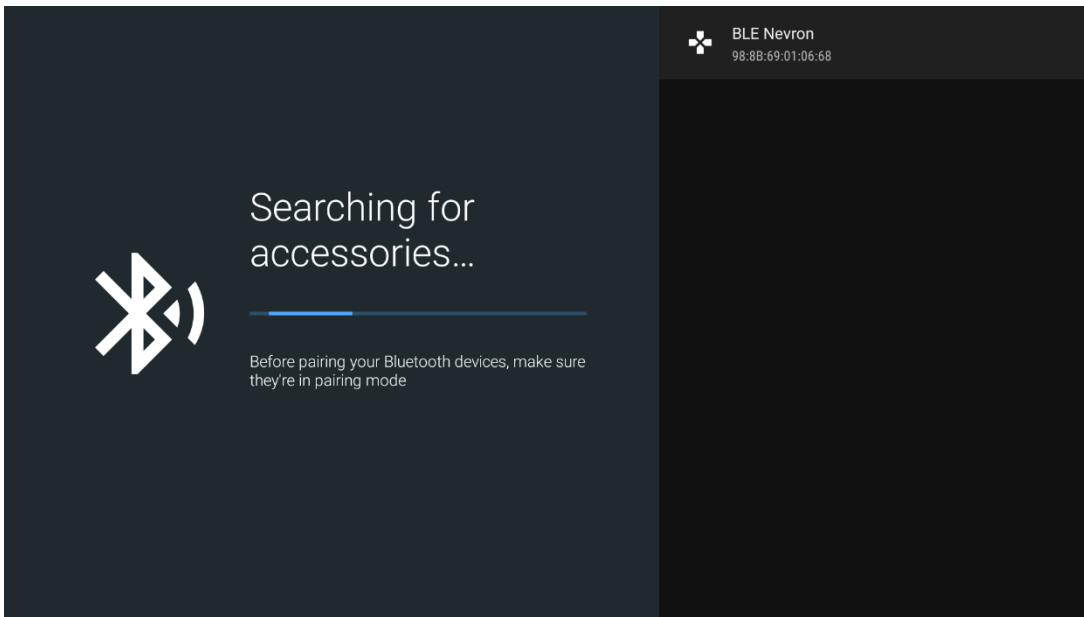
If this screen shows up, select 'Android'; if not, skip this step.



On the following step, select the »Remotes & Accessories« menu.



Initiate pairing mode on the remote by holding the home + play/pause buttons for 3 seconds or longer.



The remote will show up in the right side menu. Select it to pair it with the TV. It should say 'paired' when it is done pairing. After this, leave the menu as your remote control is paired.

### 3 Device specification

This section offers a concise overview of the device's specifications, supplemented with additional insights and a selection of practical commands. It's designed to provide a clear understanding of the device's functionality and enhance your experience through straightforward tips and instructions.

advertisement name:			ruwido BLE					
pnp id:			source: usb forum, vendor id: 0x119b, product id: 0x21AA					
key #	printing [keypad]	printing [topcase]	BLE [HID overGATT]			NEC [stb]	Ruwido	BLOB layer [tv]
			usage page	usage id	description			
led			green (if ble is used)			red (if infrared is used)		red (infrared)
mic								
1	powerstb		consumer	0x30	Power	0x45	70	standby
2	rewind		consumer	0xB4	Rewind	0x52	83	rewind
3	play / pause		consumer	0xCD	Play / Pause	0x43	68	play/pause
4	fast forward		consumer	0xB3	Fast Forward	0x53	84	fast forward
5	movies		keyboard	0x43	F10	0x86	135	epg
6	Timeshift		keyboard	0x3C	F3	0x57	88	-
7	up		consumer	0x42	Menu Up	0xCA	203	up
8	left		consumer	0x44	Menu Left	0x99	154	left
9	ok		consumer	0x41	Menu Pick	0xCE	207	select ok
10	right		consumer	0x45	Menu Right	0xC1	194	right
11	down		consumer	0x43	Menu Down	0xD2	211	down
12	back		consumer	0x224	ACBack	0xD0	209	back
13	TV		consumer	0x89	Media Select TV	0x84	133	-
14	vol+		consumer	0xE9	Volume Up	0xDD	222	volume_up
15	home		consumer	0x223	AC Home	0x95	150	home
16	ch+		consumer	0x9C	Channel Increment	0x9A	155	channel up
17	vol-		consumer	0xEA	Volume Down	0x8C	141	volume_down
18	mute		consumer	0xE2	Mute	0x80	129	mute
19	ch-		consumer	0x9D	Channel Decrement	0xCD	206	channel down

IR system name:

IR frequency:

ruwidoname (internal):

address:

custom:

cmdfortransparent pairing:

NEC	NEC
38 kHz	38 kHz
NEC_2	1943_2
0x02	0x02
0xBD	0xBD
-	-

- home + play/pause >= 3s: start manual pairing process (only with BLE)
- home + back >= 3s: delete pairing
- home + TV >= 3s: perform a factory reset
- TV + up >= 3s: switch to layer "ble+NEC" (default)
- TV + left >= 3s: switch to layer ble only
- TV + right >= 3s: switch to layer Blob only (only Blob is available)
- TV + down >= 3s: switch to layer IR only
- ok + back: only if RCU is operating in IR/NEC

Let there  
be content!



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