beanfield

User Manual

SML-5051W

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Thank You for Choosing Beanfield

The SML-5051W is a small-form and high-performance set-top box (STB) with 4K/UHD video support and is able to deliver the exciting world of cutting edge interactive services.
This manual contains a description of all possible features and options of SML-5051W. Your device may look slightly different than the one pictured in this document. The packaging and configuration of your device, such as presence or absence of certain connectors, has been defined by Beanfield.

Distribution Kit

- SML-5051W set-top box
- Power adapter 12 V, 1 A
- HDMI cable
- Ethernet cable
- Remote control
- Battery for the remote control (1x CR2032)
- User manual

Safety and Storage

Please review this manual before using the STB and keep it for future reference. Please heed all warnings and follow the precautions and operating instructions.

- Do not open or repair the STB by yourself. Improper repair may result in electrical shock or fire. In addition, the STB is removed from the warranty.
- Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
- Only use attachments/accessories specified by the manufacturer.
- The STB is intended for indoor use only, with air temperature from 0°C to 35°C (from 32°F to 95°F) and 30-70% of relative humidity, non-condensing.
- Use only power supplies listed in the user instructions.
- Do not use the STB if the power cord is damaged.
- To reduce the risk of fire or electrical shock, do not expose the STB to dripping or splashing, and do not place any objects filled with liquids on or next to the STB.
- Do not expose the STB to any liquids, rain, steam, moisture or high humidity.
- Do not expose the STB to direct sun light.
- Do not place the STB near open fire or heating elements.
- Do not expose the STB to vibrations or shaking.
- Do not use the STB in dusty environments.
- If a storm is coming or if you are not going to use the STB for a long time, unplug the power cord and disconnect the Ethernet cable. This will help to protect the unit from both lightning and power line surges.
- The adapter shall be installed near the equipment and shall be easily accessible.
- The main plug of the adapter is used to disconnect the device from the power supply. The main plug of the adapter shall remain readily operable.
- When using the STB with a plasma TV, do not put the picture on pause for more than 5 minutes. Due to the plasma TV screen design, it could lead to display damage. The STB manufacturer is not responsible for any damage caused by such manner.
- The software on your STB is updated automatically. Do not unplug the power cord and do not disconnect the Ethernet cable while the software is updating. The STB manufacturer is not liable for any consequences of incorrect software update.
- The manufacturer does not guarantee the absence of interference with other devices. To eliminate possible interference, increase the distance between the STB and other equipment, or connect equipment using a different setup.
- In accordance with international safety requirements for radio equipment, this device should be installed and operated with a minimum distance of 20 cm (7.8 inches) between the device and the body.
- The device is going to be operated in 5150 to 5250 MHz frequency range. It is restricted to indoor use only.

To prevent possible hearing damage, do not listen at high volume levels for long periods.

Connecting

Front Panel

Element	Purpose
Power Indicator	**Green** — STB is switched on and operates normally **Red** — STB is in stand-by mode
IR Receiver	The internal IR receiver is accepting signals from the IR remote control

Back Panel

Element	Purpose
DC 12V	The port for the power adapter
Analog A/V	Not applicable
S/PDIF	Optical digital audio interface
HDMI	The audio/video interface for connecting with an HDMI-compliant device
LAN	Ethernet port, 10/100 Mbps
USB	USB 2.0 port

Installation

1. Remove your STB from packaging.
2. Make sure that the place where you are installing the STB, meets the following requirements:
   - Place STB on a flat surface.
   - Do not place the STB on slick surfaces, where there is a risk of vibration, fall or other damages of STB.
   - Do not mount the STB on soft surfaces, like a bed, carpet, etc. Such surfaces impede access for air and normal ventilation of the STB and thereby cause overheating and malfunctioning.
   - Do not cover the STB.
   - Do not shield the ventilation holes in the STB's enclosure located at the top panel of the STB.
   - When mounting the STB, make sure that there is at least 10 cm of free space at each side of the device. Do not place STB in closed cupboards and caves.
   - Install and operate the STB with a minimum distance of 20 cm (7.8 inches) between the device and the body.
   - Do not place STB on surfaces which can heat, for instance, on boosters.
   - Do not place anything on top of the device.
   - To avoid damage of the power adapter's cable, place the cable so that it is not pressed, pinched or mechanically affected in any way.
3. Make sure that the TV set and the STB are not connected to the power network.
4. Connect the TV set and the STB with the HDMI cable.
5. Connect the Ethernet cable to the STB.
6. Connect the STB and the TV set to the power network.

Remote Control

•	LED
TV	Switching the TV on and off*
⏻	Power. Switching the STB on and off
AV	Choosing a signal source on TV*
🔇	Disable/enable the sound. Controls STB or TV*
V- +	Change volume. Controls STB or TV*
↩	Cancel/go one level up
◀ ▶ ▲ ▼	Move through menu items
OK	Confirm the selection, pause, resume playback
⌂	Jump to the main menu
EPG	Open the program guide
⟳	Switching between watching TV/movie exit/back
CH- +	Switch channels
0-9	Numeric keys

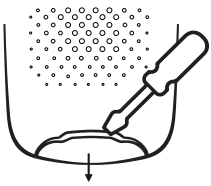
** You can control TV after the remote control setup.*

Replacing the Battery

This remote is operated by a replaceable CR2032 battery. In accordance with IEC 60065:2014, the battery cover is held in the remote control case with considerable force to prevent children from accessing the battery without adult supervision. Use a screwdriver to open the cover. Be careful not to damage the battery cover or remote control case.

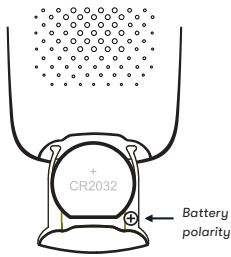
To replace the battery:

1. Use a tool to remove the battery cover:



With a screwdriver on the slot, do the opening movement.

2. Remove the old battery:



Battery polarity

3. Insert a CR2032 battery, positive (+) side up.
4. Insert the cover and close the battery door.

Battery Information

ISO 7000-0434 (2004-01)
WARNING: *Refer to the battery disposal and safety information before replacing the battery.*

Do not ingest the battery as it is a chemical burn hazard.
The remote control is supplied with a coin/button cell battery. If the coin/button cell battery is swallowed, it can cause severe internal burns in just 2 hours and can lead to death.
Keep new and used batteries away from children. If the battery compartment does not close securely, stop using the product and keep it away from children. If you think batteries might have been swallowed or placed inside any part of the body, seek immediate medical attention.
If fluid from the battery comes into contact with skin or clothing, immediately flush the affected area with clean water.

CAUTION: *There is a risk of explosion if the battery is replaced by an incorrect type.*
Dispose of used batteries according to the instruction in this manual.

Remote Control Setup

The universal remote control can simultaneously work with multiple devices.
To pair the IR remote control with a TV set, you need to perform simple configuring that will not take much of your time. The RC can be set up automatically as well as manually using the TV manufacturer's number or code.
You do not need to perform any special configuring to pair the RC with the TV. For more information, see the section RC Setup on the next page.

Automatic Remote Control Setup

1. Turn your TV on.
2. Point the remote control at your TV. Press and hold the TV and OK buttons for three(3) seconds. The LED on the remote control will flash twice and the remote control will switch to setup mode. Release the TV and OK buttons.
3. Press and hold the CH- or CH+ button. The remote control will automatically send a power off code to the TV every 1.5 seconds. When the TV turns off, quickly release the CH- or CH+ button and press OK to save the code. After that, the LED will blink twice and the remote control will exit the setup mode.

Setting up Remote Control by Using Manufacturer Number

1. Turn your TV on.
2. Point the remote control at your TV. Press and hold for three(3) seconds the TV button and the button corresponding to the manufacturer's number from the table below. The LED on the remote control will flash twice and the remote control will switch to the setup mode. Release the TV and OK buttons.
3. Press and hold the CH+ or CH- button. The remote control will automatically send a power off code to the TV every 1.5 seconds. When the TV turns off, quickly release the CH- or CH+ button and press OK to save the code. After that, the LED will blink twice and the remote control will exit the setup mode.
4. You can change the search direction using the buttons CH- and CH+.
5. Each time you start setting up, the search will begin with the first code in the table.

Table of Manufacturer Numbers and Codes

Manufacturer	Number	Code
Aiwa	0	1050 1141 1094
Akai	1	1086 1010 1018 1002 1001 1000 1059 1056 1053 1051 1049 1054 1031 1030 1023 1013 1008 1037 1071 1022 1064 1078 1083 1138
Hitachi	2	1104 1024 1034 1055 1162 1011 1005 1057 1105 1071 1093 1159 1122 1044 1022 1017 1163 1073 1027 1023 1002 1031 1006 1030 1008 1072
JVC	3	1046 1133 1037 1118 1018 1004 1045
LG	4	1091 1161 1008 1120 1002 1082 1000 1031 1053 1037 1006 1049 1054 1128 1123 1153 1186 1187 1188 1189 1190 1191 1192 1193 1194 1195 1196 1197 1198
Panasonic	5	1045 1113 1115 1012 1084 1002 1031 1030 1005 1180 1181 1182 1183 1184 1185
Philips	6	1031 1002 1095 1036 1017 1000 1202 1203 1204 1205 1206 1207 1208 1209 1210
Pioneer	7	1080 1092 1007 1048 1002 1031 1017 1006 1014 1025 1029
Samsung	8	1064 1151 1041 1008 1035 1004 1155 1112 1031 1079 1000 1002 1013 1165 1166 1167 1168 1169 1170 1171 1172 1173 1174 1175 1176 1177 1178 1179
Sony	9	1094 1134 1116 1199 1200 1201

A full table of manufacturer numbers and codes see on:
http://bit.ly/2P6K8dV

Setting up Remote Control by Using a Manufacturer Code

1. Turn your TV on.
2. Point the remote control at your TV. Press and hold the TV and OK buttons for three(3) seconds. The LED on the remote control will flash twice and the remote control will switch to the setup mode. Release the TV and OK buttons.
3. Enter the four-digit setup code of your TV model from the table above. The LED will flash each time you enter a digit.
4. If you entered the code correctly, the LED will blink twice. Otherwise – once.
5. Check the buttons operation. If most of the buttons function correctly, the code is correct. If necessary buttons do not work properly, select another code from the table and repeat steps 2–5.

Note: If no button is pressed or a non-numeric button is pressed for 20 seconds in setup mode, the remote control switches to standby mode.

Controlling Volume of STB or TV

The remote can be configured to control the volume of the TV or STB. To switch between these two states, press and hold the buttons POWER and V+ for three(3) seconds. The LED will blink twice and the remote will control the volume of the other device.

Changing STB Code

If using the remote control for STB results in any undesirable interference with your TV (such as switching TV channels when you switch channels on STB), this means that the codes used to control STB and TV overlap are the same.
To eliminate this interference, change the code used by the remote control for STB. Since there are two possible codes for STB, select the one that does not result in undesirable interference with your TV.

To change the code, do the following steps:
1. Turn the STB on.
2. Press and hold POWER and OK buttons for three(3) seconds. When the LED on remote control lights up, release the buttons. The remote control will switch to the setting mode. Release the TV and OK buttons.
3. By default, the STB uses the code 1256. You can change the code to 1255. Enter the code 1255. The LED will flash each time you enter a digit.
4. If the code is entered correctly, the LED will flash twice. If the code is entered incorrectly, the LED will flash once and the remote control will exit the setup mode. Repeat steps 2–4.
5. Try pressing the remote control button that causes undesirable interference with another device. If the conflict is resolved, the code has been selected correctly.

Resetting the Remote Control

To reset the remote control:
1. Press and hold TV and OK buttons for three(3) seconds. The LED on the remote control will flash twice and the remote control will switch to the setup mode. Release the TV and OK buttons.
2. Enter the code 977. The LED will flash each time you enter a digit. After that, the LED will blink four times, and the settings will be reset to default.

First Start

When you switch on the STB for the first time, make sure that the STB is connected to a managed IPTV network. The box will start downloading the latest version of the software. Updating may take a few minutes. Do not disconnect the STB from power supply and from the Internet before the updating is complete. After finishing, the STB will reboot automatically.

Troubleshooting

Problem	Possible reason	Solution
No picture	1. TV is not turned on.	1. Turn on your TV.
The screen displays "No signal"	1. STB is not connected to the mains supply. 2. STB is turned off. 3. TV is set to the wrong input source.	1. Connect STB to the main supply. 2. Turn STB on by using its remote control. 3. Use TV remote control to select the video input connected to the STB.
No sound	1. The sound is turned off on TV. 2. The sound is turned off on STB.	1. Increase the volume on TV by using the TV remote control. 2. Increase the volume on STB by using VOL+ button on STB remote control.
Remote control is not working	1. Dead battery. 2. The signal from remote control does not reach STB.	1. Replace the battery with a new one. 2. Reduce the distance between the remote control and STB.
STB turns off periodically	1. Not enough power supply to STB. 2. Overheating.	1. Connect STB to power adapter included in the supplied package. 2. Ensure sufficient air flow to STB — no less than 10 cm (4 inches) of clearance on all sides.

If you need further support, please contact the Beanfield Support Team at support@beanfield.com.

Cleaning

1. Unplug the STB before cleaning.
2. Wipe the STB and remote control with a clean, dry cloth only.
3. Clean the ventilation holes in the STB's enclosure on a regular basis.
4. You may remove stains from the STB's surface with a slightly damp cloth.
5. Do not use chemical cleaner, car polish, dissolvent, aerosol, cleaning agents, abrasive powders and materials for cleaning the STB and accessories.

Disposal

Please return your STB to Beanfield for proper ecological disposal.

Specifications

BT module:

Standard	BT v4.2 + BLE
Operating frequency	2402–2480 MHz
Antenna Gain	Not more than 3dBi
Max. transmitting power (EIRP)	Not more than 8 dBm (BT class 1)

	AT	BE	BG	HR	CY	CZ	DK
	EE	FI	FR	DE	EL	HU	IE
	IT	LV	LT	LU	MT	NL	PL
	PT	RO	SK	SI	ES	SE	UK

The device complies with RF specifications when the device used at 20cm from your body.
When the device support wlan5G (5150–5250 Mhz), Manufacture will list the following statement and country list (not EU country) on the user manual, and wlan5G only used to indoor.

Max. resolution supported on HDMI: *4Kx2K@60*
Supported CVBS standards: *PAL, NTSC*
Supported video and audio codecs: *to get information about actually supported codecs, please contact Beanfield.*
Extreme temperature: *0–40°C*
Hardware version: *0x10010001*
Software version: *98200.02*

Licensing and Certification

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DOLBY AUDIO™

HDMI™ HIGH DEFINITION MULTIMEDIA INTERFACE

HEVCAdvance™ Covered by Patents at patentlist.hevcadvance.com

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Innovation, Science and Economic Development (ISED) Canada Compliance Notice

This device complies with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

1. This device may not cause interference.
2. This device must accept any interference, including interference that may cause undesired operation of the device.

This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.

Le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

1. *L'appareil ne doit pas produire de brouillage;*
2. *L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.*

Cet équipement est conforme aux limites d'exposition aux rayonnements IC établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec un minimum de 20 cm de distance entre la source de rayonnement et votre corps.

Manufacture Date

Manufacture date is specified in the serial number on the device bottom. 8-th digit to the right is the year, 7-th and 6-th are the week:

Note: S/N and MACs are shown here for example only.

About the Manufacturers

Manufacturer: *Smartlabs Holding Ltd*
Manufacturer address: *Nafpliou 15, Limassol, Cyprus, 3025*
Contact information: *info@smartlabs.tv*
Manufacturing plant: *Sichuan Changhong Network Technologies Co. LTD*
Manufacturing plant address: *35, East Mianxing Road, High-Tech Park, Mianyang, Sichuan, China*

Warranty

The appliance warranty is provided through the service provider. The warranty period and conditions are determined by Beanfield. If maintenance or repair is required please contact Beanfield.
No part of this document shall be considered as warranty.