

Bedienungsanleitung

4K UHD Set-Top Box
Receiver / IPTV / OTT Mediaplayer



OCTAGON SX988 V2 4K WL UHD IP



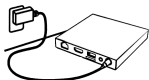
www.octagon-germany.eu

Installationsanleitung

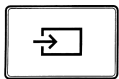
1,Verbinden Sie Ihre Box mit einem HDMI-Kabel mit Ihrem Fernseher.



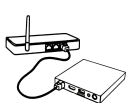
2,Schließen Sie Ihre Box über das Netzkabel an die Stromversorgung an.



3, Schalten Sie Ihren Fernseher ein und wechseln Sie zum richtigen HDMI-Eingang.



4, Richten Sie Ihre Box ein und verbinden Sie sie mit Ihrem lokalen Netzwerk.



LAN Kabel

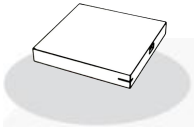


WiFi drahtlos Netzerk

5,Bitte richten Sie Ihre Box ein, um das wunderbare Erlebnis zu genießen.



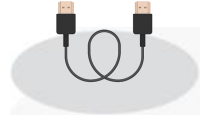
Was ist in der Box? (Lieferumfang)



Octagon Receiver



Fernbedienung



HDMI Kabel



Netzteil



IR Empfänger



2X Batterien

SICHERHEITSHINWEISE!

Dieses Gerät wurde unter Einhaltung internationaler Sicherheitsstandards gefertigt. Lesen Sie die folgenden Sicherheitshinweise sorgfältig durch..

Vielen Dank, dass Sie sich für diesen Receiver entschieden haben! Zu Ihrer Sicherheit und damit Ihr Receiver zuverlässig funktioniert, nehmen Sie sich bitte die Zeit, diese Anleitung aufmerksam zu lesen, bevor Sie das Gerät anschließen und einschalten. Diese Anleitung soll Ihnen helfen, die zahlreichen Funktionen optimal zu nutzen.

Nehmen Sie den Gehäusedeckel nicht ab. Andernfalls besteht die Gefahr eines elektrischen Schlags.
Reparaturen an Stecker, Kabel oder Receiver dürfen nur von qualifiziertem Fachpersonal durchgeführt werden..

Schutzmaß nahmen (Wichtige Sicherheitshinweise):

- Das Gerät ist nur für Netzanschluss 100- 250 V AC / 50 Hz vorgesehen.
- Ziehen Sie den Netzstecker aus der Steckdose, bevor Sie Wartungs- oder Installationsarbeiten beginnen.

- Anschluss an das TV-Gerät

- Ziehen Sie den Netzstecker aus der Steckdose.

- Feuchtigkeit

- Der Empfänger darf keinerlei Flüssigkeiten ausgesetzt sein!

- Reinigung

- Ziehen Sie den Netzstecker aus der Steckdose.
- Verwenden ein leicht angefeuchtetes Tuch, um eventuell anhaftenden Staub zu binden.

- Belüftung

- Die Kühlschlitze im Gehäusedeckel dürfen keinesfalls abgedeckt werden, um eine sichere Ableitung der im Gerät entstehenden Wärme zu gewährleisten..

- Fremdobjekte

- Stecken Sie niemals irgendwelche fremden Metallgegenstände in die Einschübe oder Lüftungsschlitze des Gerätes.

- Gewitter

- Bei Gewitter oder Betriebsstörungen Stecker ziehen.

- Reparatur & Wartung

- Reparatur und Wartungsarbeiten dürfen nur von qualifizierten Fachkräften durchgeführt werden. Da bei diesem Gerät die Trennung vom Stromnetz durch das Ziehen des Steckernetzteils erfolgt, ist es unbedingt notwendig, dass dieses jederzeit leicht zugänglich ist.

Bitte beachten Sie, dass vor jeglichen Wartungs- oder Installationsmaßnahmen die Stromversorgung unterbrochen werden muss.

Achten Sie darauf, dass das Stromkabel so platziert wird, dass es bei einem Notfall schnell von der Stromversorgung getrennt werden kann.

- FRONTBLLENDE (VORDERSEITE):



- **LED status Anzeige**

Zeigt Betrieb oder Standby am (blau/ rot)

- **Infrarot Empfänger**

IR Sensor befindet sich auf der rechten Seite.

- GERÄTE RÜCKSEITE & SEITLICH:



- **USB2.0 port**

USB 2.0 Anschluß

- **AV - Audio & Video**

Composite AV Buchse mit Klinkestecker.

- **SPDIF**

Digitaler Audio Ausgang.

- **HD Ausgang HDMI**

HD OUT - HDMI Ausgang zum TV-Gerät.

- **LANÐERNET**

LAN Port RJ45 - Internet Anschluß.

- **DC-12V**

Stromanschluss 12 Volts DC,1 A



- **USB2.0 port**

USB 2.0 Anschluß

- **IR Anschluß**









Externer IR Sensor – Infrarotempfänger Port

- **RECOVERY**

RECOVERY (RESET) Taste für Service & Wartungsarbeiten.

FERNBEDIENUNG



Button	Function	Button	Function
TV CONTROL	Lernfähige TV Tasten		Ein/Aus Taste
0 ~ 9	Numerische Tasten	OPTION	Options Taste
	Mute (Stumm)	IPTV	Gehe zu IPTV Taste
AUDIO	Audio Track Auswahl	SUBTITLE	Untertitel
TEXT	Teletext Modus	NETFLIX	NETFLIX Funktion
KODI	KODI Funktion	YouTube	YouTube Funktion
WEBTV	WEBTV Funktion	INFO	Informationen zum Sender
RECALL	Zuletzt gesehene Sender	OK	OK Taste
↑ ↓	UP/DOWN (Hoch/Runter)	← →	LEFT/RIGHT (Rechts/Links)
MENU	Menü Taste	EXIT	Exit Taste zum schließen
+ VOL -	Laustärke + -	+ PAGE -	Programm + - Taste
FAV	Favoriten listen/gruppen	EPG	Elektronischer Programmführer
F1-F4	Programmierbare Tasten	TV/RADIO	Umschalten zwischen TV/RADIO
V.FORMAT	Video Format Taste	RESOLUTION	Bildauflösung einstellen
SLEEP	Einschlaf timer	V.FORMAT	Bildformat einstellen
	Zurückspulen		Vorspulen
	Skip Taste		Skip Taste
SAT	SAT Liste aufrufen		Wiedergabe / Pause Taste
	Stop Taste	REC	Aufnahme Taste

Eigenschaften

LINUX OS based 4K OTT digital set top box
Quad Core 64Bit(4 x 1.6GHz)15000 DMIPS
FLASH 8GB eMMC fast memory(8192Mbytes)
RAM 1GB DDR3 fast memory(1024Mbytes)
Ethernet LAN 100Mbps network
4-digits, 7-segment LED display
USB2.0 support
Full HW support:MPEG-2, MPEG-4 AVC, H.264&H.265 HEVC
VP9: supported
KODI:embedded
Video resolutions:up to 4K/2K UHD 2160p&True 3D
2x USB 2.0 port
1x HDTV 2.0A TX with HDCP 2.2 UP TO 4k@60Hz
Dolby Digital Plus: supported
Extended EPG and program reservation on EPG
Supports PAL/NTSC systems
Parental Control
4:3 & 16:9 screen formats
Time & multi-event timer functions
Real time clock
Support: Youtube/Weather/Internet Radio and other...

TECHNISCHE DATEN

Main chipset

CPU: Multi-core 64-bit high performance ARM Cortex A55 GOKE 6320V100

GPU: Multi-core high-performance GPU Mali-450 GPU

Flash Memory: 8192Mbytes fast EMMC

SDRAM Memory: 1024Mbytes DDR3

Video Decode

Video Decode: H.265(HEVC/H.265) up to L4.0, H.264(ISO/IEC 14496-10) up to L4.1, MPEG-4(ISO/IEC 14496-2) up to L5,

MPEG2 video(ISO/IEC 13818-2) MP@ML

Video Resolution: Maximum 4K x 2K@60 fps 10-bit

Audio Decode

Audio Decode: MPEG-1 layer I/II, MP3, MPEG-4 AAC and AAC plus(HE-AAC v.1 & v.2), DRA, Dolby Digital(AC3), Dolby Digital Plus(DD+), DTS, TureHD

Sound Mode: LEFT/RIGHT/STEREO/MONO

Sampling Frequency: 32KHz, 44.1KHz, 48KHz

AV Output

Video Bandwidth: SD: 5.0MHz(-3dB), HD:30MHz(-3dB)

Video Impedance: 75Ω

Video Voltage Level: 1.0 Vp-p

Audio Freq. Range: 20 ~20KHz

Audio Impedance: 600Ω

Audio Voltage Level:2V rms(5.6Vp-p)

Environment

Input Voltage: AC 100 ~240V, 50Hz/60Hz

Consumption: Max 20W

Standby: <1W

Temperature: 0 ~40°C

Humidity: <95 %

WiFi Module:

Wlan Standard :IEEE 802.11b/g/n
Frequency Range:2.400GHz~2.497GHz(2.4GHz ISM Band)
Number of Channels:2.4GHz CH1~CH14
Modulation:802.11b DQPSK,DBPSK CCK
802.11g/n:OFDM/64QAM 16QAM QPSK BPSK
Output Power:802.11b/11Mbps:17±2dbm@EVM≤-15db
802.11g/54Mbps:15±2dbm@EVM≤-28db
802.11n/MCS7:14±2dbm@EVM≤-30db
RX sensitivity: 802.11b/11Mbps:-85dbm
802.11g/54Mbps:-72dbm
802.11 n HT20/MCS7:-70dbm
802.11n HT40/MCS7:-66dbm
Maximum input level:802.11b/g/n:-20dbm
Maximum output level:802.11 b/g/n:20dbm

Wlan Standard :IEEE 802.11b/g/n
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802.11 n HT20/MCS7:-70dbm
802.11n HT40/MCS7:-66dbm

Wlan Standard :IEEE 802.11a/n/ac 2x2 Wifi compliant
Frequency Range:4.900GHz~5.845GHz(5.0GHz ISM Band)
Number of Channels:5.15 GHz ~5.25 GHz(36,40,44,48)
5.25 GHz ~5.35 GHz(52,56,60,64)
5.5 GHz ~5.7 GHz(100,104,108,112,116,120,124,128,132,136,140)

5.725 GHz ~5.825 GHz(149,153,157,161,165)
Modulation:802.11a OFDM/64QAM,16QAM,QPSK BPSK
802.11n:OFDM/64QAM 16QAM QPSK BPSK
802.11ac:OFDM/256QAM
Output Power:802.11a/54Mbps:15±2dbm@EVM≤-25db
802.11n HT20/MCS7:14±2dbm@EVM≤-28db
802.11n HT40/MCS7:14±2dbm@EVM≤-28db
802.11ac VHT20/MCS8:13±2dbm@EVM≤-30db
802.11ac VHT40/MCS9:13±2dbm@EVM≤-32db

Service

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User manual

4K UHD Set-Top Box
Receiver / IPTV / OTT Mediaplayer



OCTAGON SX988 V2 4K WL UHD IP

HDMI[®] **CE**
HIGH-DEFINITION MULTIMEDIA INTERFACE

www.octagon-germany.eu

Installation Guide

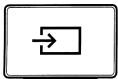
1,Connect your box to your TV with an HDMI cable



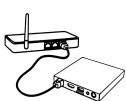
2,Connect your box to power using the power cord



3,Turn on your TV and switch to the correct HDMI input



4,Set-up your box and connect to your local network



Wired Network



Wireless Network

5,Please set up your box to enjoy the wonderful experience



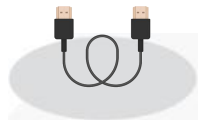
What's in the Box?



Media Receiver



Remote Control



HDMI Cable



Power Adapter



IR Sensor



2X Batteries

CAUTION!

To avoid the risk of electric shock, do not disassemble the receiver.

There are no user-serviceable parts inside.

Refer servicing to qualified service personnel.

This receiver was manufactured in accordance with international safety standards.

Please read the following precautions carefully.

Safety Instructions and Precautions:

Products are designed to operate safely when installed and used according to the product instructions and safety practices. The guidelines included in this document explain the potential risks associated with equipment operation and provide important safety practices designed to minimize these risks. By carefully following the information contained in this document, you can protect yourself from hazards and create a safer environment.

This product is designed and tested to meet IEC62368-1, the standard for safety of information technology equipment. This also covers the implementation of IEC62368-1 based safety standards around the world.

Retain and follow all product safety and operating instructions. Always refer to the documentation supplied with your equipment. Observe all warnings on the product and in the operating instructions.

Note: Read all safety information below and operating instructions before using box to avoid injury.

Warning: Failure to follow these safety instructions could result in fire, electric shock or other injury or damage. Electrical equipment can be hazardous if misused. Operation of this product, or similar products, must always be supervised by an adult. Do not allow children access to the interior of any electrical product and do not permit them to handle and cables.

- Power supply network connection (100-240V ~ 50/60Hz)

- Connect this receiver only to the type of network indicated on the label
- Unplug the receiver from the electrical outlet before beginning any maintenance or installation

- Connecting to antenna

- Disconnect the receiver from the network before connecting or disconnecting the cable from the antenna
- Failure to do so may result in damage to the receiver or antenna

- Connecting to a TV

- Unplug the receiver from the electrical outlet before connecting or disconnecting the cable from the TV
- Failure to comply may result in damage to the receiver or TV

- Liquids

- The receiver must not be exposed to liquids of **ANY** kind!

- Cleaning

- Unplug the receiver from the electrical outlet before cleaning

- To remove dust, use a light damp cloth, without solvents

- Ventilation

- Do not place the receiver on furniture or carpets
- Do not place any objects on top of the receiver
- Do not restrict air circulation around the receiver

- Earthing

- The antenna cable must be grounded

- Foreign objects

- Do not insert anything through the openings in the receiver, since you can touch a hazardous voltage point or damage the receiver

- Location

- Use the receiver indoors, to avoid damaging it by weather
- Do not install the receiver near a radiator or other heat source
- Dropping the product may result in personal injury and serious damage to the receiver

- Lightning, storm

- Unplug the receiver from the wall outlet and disconnect the antenna during a lightning storm or when unused for long periods of time
- This will prevent damage to the circuit due to lightning or voltage fluctuations

- Repair

- If it is necessary to repair, it is necessary to be sure of the qualification of the service
- Unauthorized repairs can lead to additional damage

- FRONT PANEL:



- **LED status indicator**

Displays the current status of the receiver (blue / red)

- **Receiver of IR signals**

The sensor of the IR signals from remote control

- REAR AND SIDES PANELS:



- **USB 2.0**

Used to play media files, update software and work with WiFi / 3G dongles

- **HDMI**

HD OUT - high quality digital audio and video output

- **SPDIF**

Digital audiooutput

- **AV**

Composite AV output for TV-set connection

- **LANÐERNET**

Connection to Internet via LAN cable

- **DC-IN**

Power socket. Attention! You must use the original 12 volts power adapter included in the box!



- **USB 2.0**

Used to play media files, update software and work with WiFi / 3G dongles

- **IR**









Plug for external IR-sensor.

- **RECOVERY**

For recovery mode

REMOTE CONTROL



Button	Function	Button	Function
TV CONTROL	TV learning keys		On/Off STB power supply
0 ~ 9	Direct input channel number	OPTION	Options button
	Mute	IPTV	Go to IPTV
AUDIO	Choose audio	SUBTITLE	Subtitles
TEXT	Teletext mode	NETFLIX	NETFLIX function
KODI	KODI function	YouTube	YouTube function
WEBTV	WEBTV function	INFO	Show channel or event information
RECALL	Recall for previous channel	OK	Perform action
↑ ↓	For move in menu UP/DOWN	← →	For move in menu LEFT/RIGHT
MENU	Show Main menu	EXIT	Exit to previous menu
+ VOL -	Adjust volume	+ PAGE -	Change channel + or -
FAV	Show Favorites list	EPG	Electronic Program Guide
F1-F4	Programmable buttons	TV/RADIO	Switch between TV and RADIO
V.FORMAT	Change sreen format	RESOLUTION	Chang sreen soluction
SLEEP	Sleep time	V.FORMAT	Change screen format
	Press for Rewind		Press for Fast Forward
	Previous track		Next track
SAT	Go to satellite channels		Play or Pause
	Stop play	REC	Press for record

MAIN FEATURES

LINUX OS based 4K OTT digital set top box
Quad Core 64Bit(4 x 1.6GHz)15000 DMIPS
FALSH 8GB eMMC fast memory(8192Mbytes)
RAM 1GB DDR3 fast memory(1024Mbytes)
Ethernet LAN 100Mbps network
4-digits, 7-segment LED display
USB2.0 support
Full HW support:MPEG-2, MPEG-4 AVC, H.264&H.265 HEVC
VP9: supported
KODI:embedded
Video resolutions:up to 4K/2K UHD 2160p&True 3D
2x USB 2.0 port
1x HDTV 2.0A TX with HDCP 2.2 UP TO 4k@60Hz
Dolby Digital Plus: supported
Extended EPG and program reservation on EPG
Supports PAL/NTSC systems
Parental Control
4:3 & 16:9 screen formats
Time & multi-event timer functions
Real time clock
Support: Youtube/Weather/Internet Radio and other...

TECHNICAL SPECIFICATIONS

Main chipset

CPU: Multi-core 64-bit high performance ARM Cortex A55 GOKE 6320V100

GPU: Multi-core high-performance GPU Mali-450 GPU

Flash Memory: 8192Mbytes fast EMMC

SDRAM Memory: 1024Mbytes DDR3

Video Decode

Video Decode: H.265(HEVC/H.265) up to L4.0, H.264(ISO/IEC 14496-10) up to L4.1, MPEG-4(ISO/IEC 14496-2) up to L5,

MPEG2 video(ISO/IEC 13818-2) MP@ML

Video Resolution: Maximum 4K x 2K@60 fps 10-bit

Audio Decode

Audio Decode: MPEG-1 layer I/II, MP3, MPEG-4 AAC and AAC plus(HE-AAC v.1 & v.2), DRA, Dolby Digital(AC3), Dolby Digital Plus(DD+), DTS, TureHD

Sound Mode: LEFT/RIGHT/STEREO/MONO

Sampling Frequency: 32KHz, 44.1KHz, 48KHz

AV Output

Video Bandwidth: SD: 5.0MHz(-3dB), HD:30MHz(-3dB)

Video Impedance: 75Ω

Video Voltage Level: 1.0 Vp-p

Audio Freq. Range: 20 ~20KHz

Audio Impedance: 600Ω

Audio Voltage Level:2V rms(5.6Vp-p)

Environment

Input Voltage: AC 100 ~240V, 50Hz/60Hz

Consumption: Max 20W

Standby: <1W

Temperature: 0 ~40°C

Humidity: <95 %

WiFi Module:

Wlan Standard :IEEE 802.11b/g/n
Frequency Range:2.400GHz~2.497GHz(2.4GHz ISM Band)
Number of Channels:2.4GHz CH1~CH14
Modulation:802.11b DQPSK,DBPSK CCK
802.11g/n:OFDM/64QAM 16QAM QPSK BPSK
Output Power:802.11b/11Mbps:17±2dbm@EVM≤-15db
802.11g/54Mbps:15±2dbm@EVM≤-28db
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Maximum input level:802.11b/g/n:-20dbm
Maximum output level:802.11 b/g/n:20dbm

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5.25 GHz ~5.35 GHz(52,56,60,64)
5.5 GHz ~5.7 GHz(100,104,108,112,116,120,124,128,132,136,140)

5.725 GHz ~5.825 GHz(149,153,157,161,165)
Modulation:802.11a OFDM/64QAM,16QAM,QPSK BPSK
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802.11ac:OFDM/256QAM
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802.11n HT20/MCS7:14±2dbm@EVM≤-28db
802.11n HT40/MCS7:14±2dbm@EVM≤-28db
802.11ac VHT20/MCS8:13±2dbm@EVM≤-30db
802.11ac VHT40/MCS9:13±2dbm@EVM≤-32db

Service

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