

DVB-S2X Hardware Compatibility

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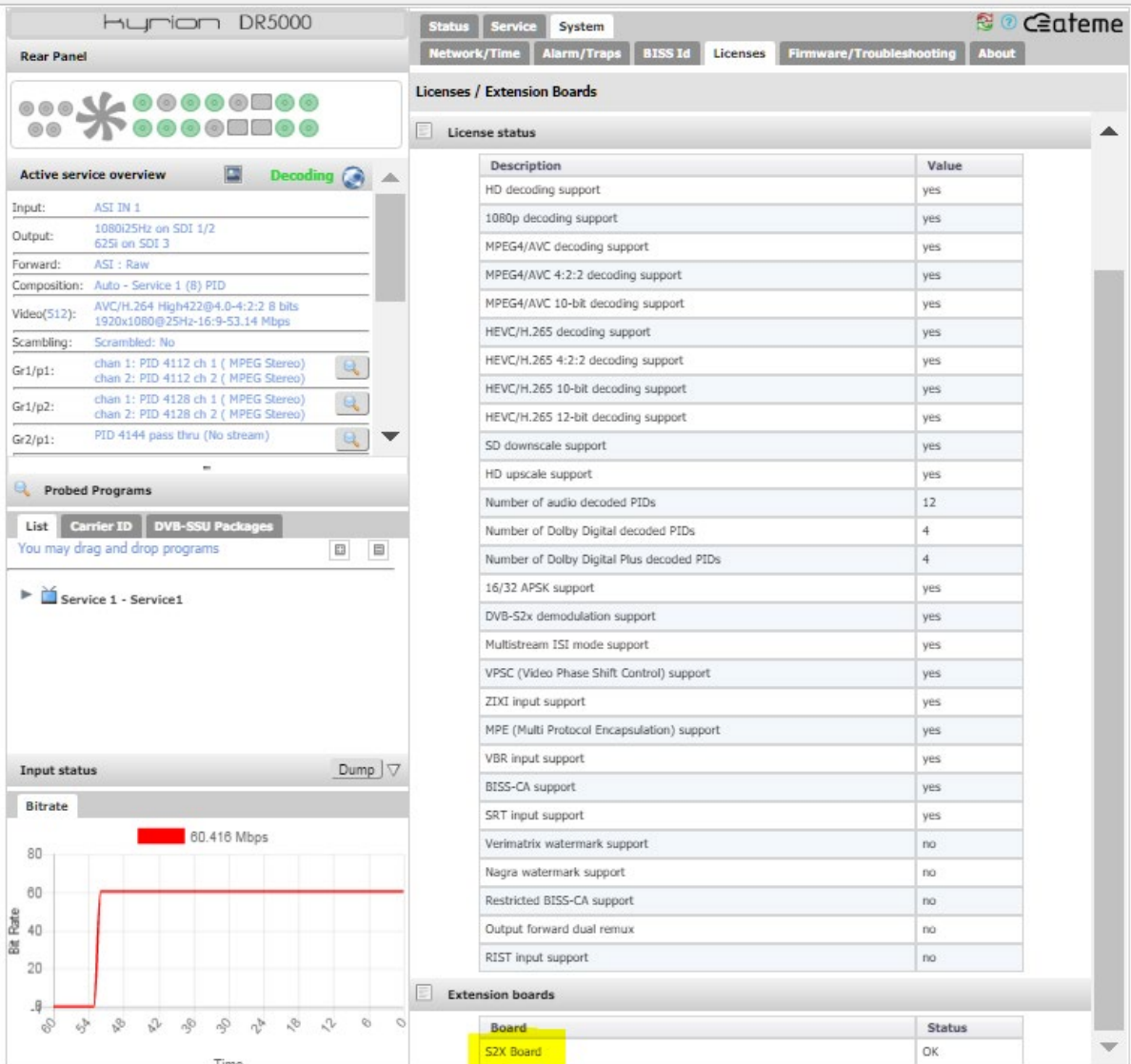
GENERAL DESCRIPTION

INTRODUCTION

In order to know whether your hardware is ready to demodulate DVB-S2X, you should first check that the required demodulation module is fitted in your units. Please find below instructions on how to do this for the Ateme DR5000 and MediaKind RX8200.

ATEME DR 5000

Access the menu “System/Licenses”. At the bottom of the page you will find the information related to the demodulation capability.



The screenshot shows the ATEME DR5000 web interface. The top navigation bar includes 'Status', 'Service', and 'System'. Under 'System', there are tabs for 'Network/Time', 'Alarm/Traps', 'BISS Id', 'Licenses', 'Firmware/Troubleshooting', and 'About'. The 'Licenses' tab is selected, showing the 'Licenses / Extension Boards' page.

The 'License status' section contains a table with the following data:

Description	Value
HD decoding support	yes
1080p decoding support	yes
MPEG4/AVC decoding support	yes
MPEG4/AVC 4:2:2 decoding support	yes
MPEG4/AVC 10-bit decoding support	yes
HEVC/H.265 decoding support	yes
HEVC/H.265 4:2:2 decoding support	yes
HEVC/H.265 10-bit decoding support	yes
HEVC/H.265 12-bit decoding support	yes
SD downscale support	yes
HD upscale support	yes
Number of audio decoded PIDs	12
Number of Dolby Digital decoded PIDs	4
Number of Dolby Digital Plus decoded PIDs	4
16/32 APSK support	yes
DVB-S2x demodulation support	yes
Multistream ISI mode support	yes
VPSC (Video Phase Shift Control) support	yes
ZIXI input support	yes
MPE (Multi Protocol Encapsulation) support	yes
VBR input support	yes
BISS-CA support	yes
SRT input support	yes
Verimatrix watermark support	no
Nagra watermark support	no
Restricted BISS-CA support	no
Output forward dual remux	no
RIST input support	no

The 'Extension boards' section contains a table with the following data:

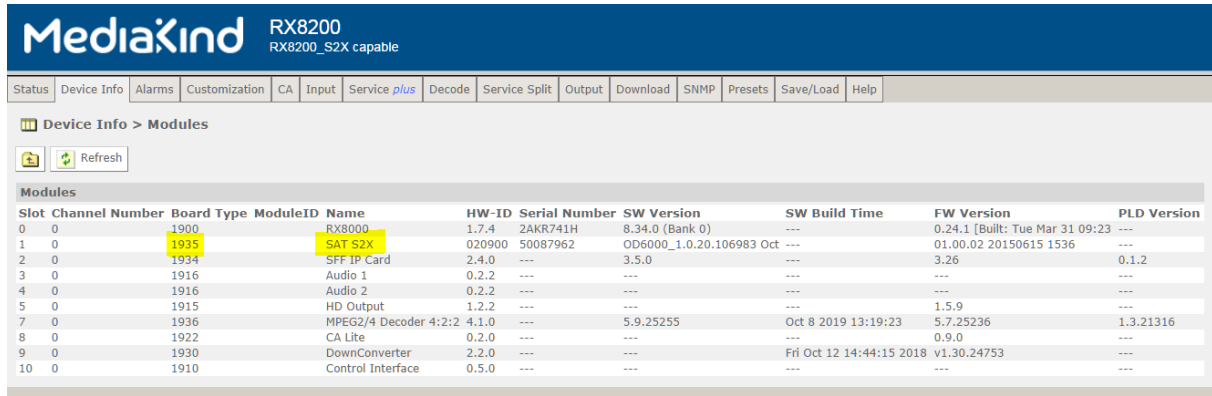
Board	Status
S2X Board	OK

If the board listed under “Board” is “S2X Board” (highlighted in yellow in the screenshot above), then your DR5000 is already equipped with the correct module. You just need to add the “DVB-S2X Demodulation support” license and the “16/32 APSK Support” license.

If the board listed is “SAT Board”, your DR5000 only supports DVB-S and DVB-S2 demodulation. You will need to replace this board with the S2X Board before enabling the licenses.

MEDIAKIND (EX-ERICSSON) RX8200

Access the menu “Device Info/Modules”.



MediaKind RX8200
RX8200_S2X capable

Status Device Info Alarms Customization CA Input Service *plus* Decode Service Split Output Download SNMP Presets Save/Load Help

Device Info > Modules

Refresh

Slot	Channel Number	Board Type	ModuleID	Name	HW-ID	Serial Number	SW Version	SW Build Time	FW Version	PLD Version
0	0	1900	RX8000		1.7.4	2AKR741H	8.34.0 (Bank 0)	---	0.24.1 [Built: Tue Mar 31 09:23	---
1	0	1935	SAT S2X		020900	50087962	OD6000_1.0.20.106983 Oct	---	01.00.02 20150615 1536	---
2	0	1934	SFF IP Card		2.4.0	---	3.5.0	---	3.26	0.1.2
3	0	1916	Audio 1		0.2.2	---	---	---	---	---
4	0	1916	Audio 2		0.2.2	---	---	---	---	---
5	0	1915	HD Output		1.2.2	---	---	---	1.5.9	---
7	0	1936	MPEG2/4 Decoder 4:2:2		4.1.0	---	5.9.25255	Oct 8 2019 13:19:23	5.7.25236	1.3.21316
8	0	1922	CA Lite		0.2.0	---	---	---	0.9.0	---
9	0	1930	DownConverter		2.2.0	---	---	Fri Oct 12 14:44:15 2018	v1.30.24753	---
10	0	1910	Control Interface		0.5.0	---	---	---	---	---

If your unit has a Board Type “1935_SAT S2X” (highlighted in yellow in the above screenshot), then your RX8200 is fitted with the correct hardware to demodulate DVB-S2X signals.

In order to receive DVB-S2X signals from Eurovision Services, you will need the DVB-S2X license enabled up to 16 APSK.

Board types “1928_SAT S2 ACM” or “1931_Combined S2 IP” are unfortunately not compatible with DVB-S2X signals.

Please note that your RX8200 might have the S2X licenses enabled but might not have the correct “1935” Demodulator Board Type.