



27 September 2012

INSTALLER'S GUIDE
TO
TOPTV'S NEW SATELLITE, SES-5

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Introduction

On the 10th of October 2012 ODM, TOPTV will move from the current satellite, Astra 4A to a new one: SES-5. Both satellites are located close to each other (orbital position: 5 degrees East), which means there will be no changes to any existing installations, i.e. no fine tuning or dish re-alignment required.

At the time of switch over all installed and connected decoders (or STBs) will automatically tune to the new transponders from SES-5. This means the signal lock screen will appear with Signal strength and signal quality bars, the padlock in the middle will very soon close indicating signal lock and normal viewing will resume.

New installations done after the 10th of October 2012 will need the installer to go into the settings menu by selecting Settings, System Setup, Installation Setup and Satellite. More information in the below sections.

Technical Specifications

Old and new frequencies:

Transponder	Old Frequencies (Astra 4A)	New frequencies (SES-5)
1	12 525 MHz	12 341.24 MHz
2	12 645 MHz	12 379.6 MHz
3	12 685 MHz	12 417.96 MHz

More old and new transponder specifications:

Transponder	Name on STB Menu (Settings, System Setup, PIN, Installation Setup, Satellite Setup, Green button)	Frequencies	Polarisation	Symbol Rate	FEC
1 Old	Sirius-4 Tp G4	12 525 MHz	Vertical	30 MS/s	2/3
1 New	Sirius-5 Tp BSS33	12 341.24 MHz	Horizontal	27.5 MS/s	3/4
2 Old	Sirius-4 Tp G4	12 645 MHz	Vertical	30 MS/s	2/3
2 New	Sirius-5 Tp BSS35	12 379.6 MHz	Horizontal	27.5 MS/s	3/4
3 Old	Sirius-4 Tp G6	12 685 MHz	Vertical	30 MS/s	2/3
3 New	Sirius-5 Tp BSS37	12 417.96 MHz	Horizontal	27.5 MS/s	3/4

*Please note although the names on the STB indicates “Sirius-4” the correct name is Astra 4A, but both refer to the same, old satellite. Also, STB indicates “Sirius-5” but the correct name is SES-5.

When will the Changes be made?

ODM and SES are planning to change Transponder 1 from Astra 4A to SES-5 on **Wednesday, 10 October 2012**. This will be done late in the evening and the change will only be effecting new installations done from Thursday 11 October 2012 and after.

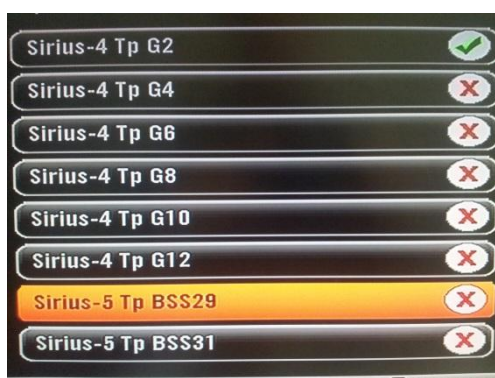
What does an Installer need to do with...

... old/completed installations?

All installations done **before** Thursday 11 October 2012 will not be effected. Every TopTV decoder/STB installed and connected to an aligned dish will automatically tune to the new frequencies. Even if a STB is powered off from the front panel or RCU, it will still tune to the new frequencies. If a STB is powered off with PSU unplugged, it will still tune to the new frequencies once switched on. If a STB is powered off with PSU unplugged for a long time (1 week or more), it will not detect the frequency change and will show an On Screen Message: "Technical Problem, Loss of signal". Then the user or installer will need to do the same settings as in the next section.

... new installations from Thursday, 11 October 2012 and after?

- ODM, TopTV, still recommends the same size antenna for all installations: 80 cm diameter.
- Depending on the TopTV decoder's software version, it will automatically start upgrading once receiving the TopTV satellite transponders. This may also happen once you have done a new installation and applied the following
- All installations done **after** Thursday, 11 October 2012, will need the installer to change a single setting on the decoder's menu:
 1. Go To: Settings > System Setup > PIN (0 0 0 0) > Installation Setup > Satellite Setup then press the green button on the remote control (RCU). The following list will appear:



2. Select "Sirius-5 Tp BSS 29" from the list (as highlighted in the above screen shot);
3. The decoder/STB will automatically scan and tune to the new frequencies and normal viewing will resume.

Installer's To Do List

1. Familiarise yourself with the decoder settings (above);
2. Change "home" frequencies on your FSM (TopTV to assist). Best, process? (Clyde):
 - TopTV clarifies with suppliers and advise via Sales Consultants to installers
3. There is no need to call the call centre. Who will be the best point of contact?