

# ONE SAT

Programmable Multichannel Amplifier

Complete solution for signal processing of TV (terrestrial and satellite) in communities



Designed for installations with satellite signal



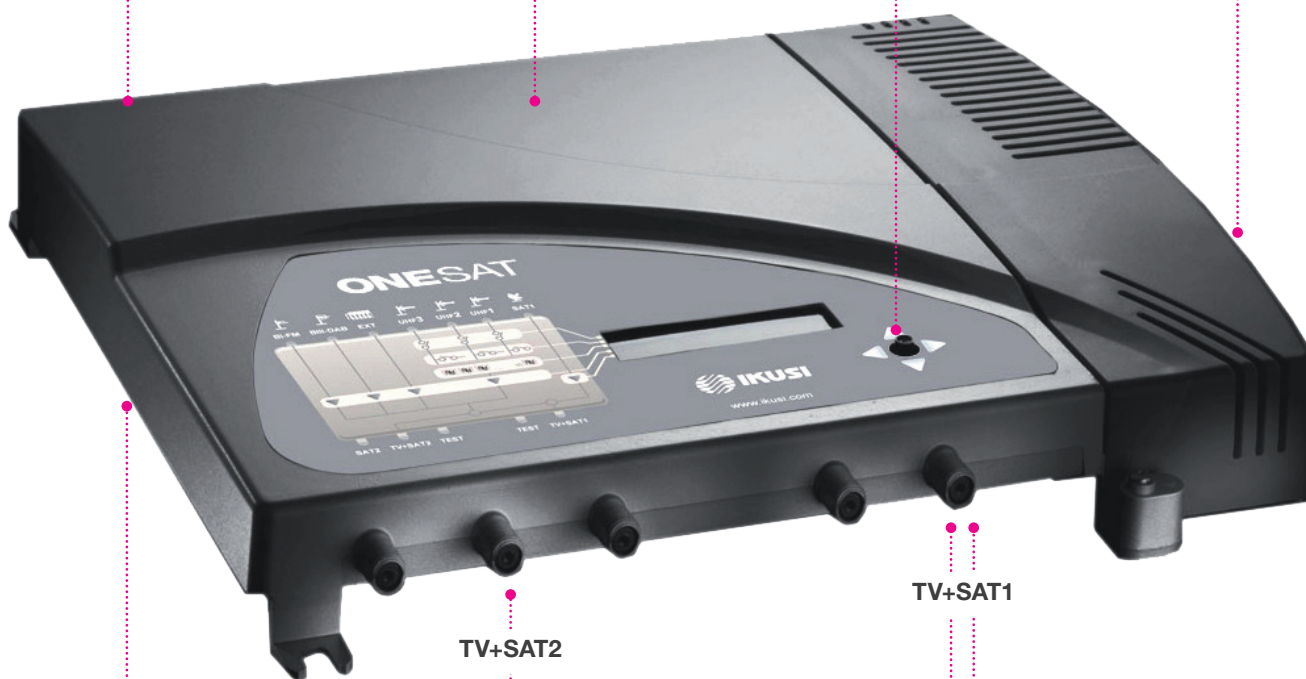
10 tunable UHF filters with the variable band width of 1 to 5 channels



Self-installation function



Removable power supply



Equalization and Automatic Gain Control

2 OUTPUTS Configuration  
TV (118 dB $\mu$ V) + SAT1 (116 dB $\mu$ V)  
TV (118 dB $\mu$ V) + SAT2

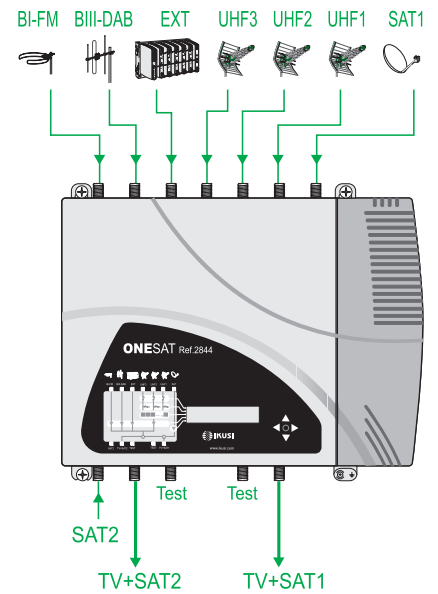
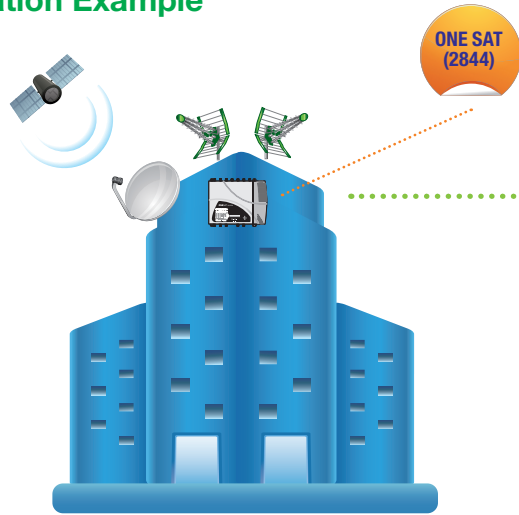
1 OUTPUT (higer power) Configuration  
TV (123 dB $\mu$ V) + SAT1 (116 dB $\mu$ V)



Follow us in:  
[www.youtube.com/ikusitv](http://www.youtube.com/ikusitv)



## Application Example



## Main Features

Model Ref.		ONE SAT (AFP-292) 2844							
Inputs		BI-FM 1	BIII-DAB 1	UHF1 3	UHF2 0	UHF3 0	EXT (VHF/UHF) 1	FI-SAT 1	FI-SAT (passive) 1
Bandwidth	MHz	47-108	174-240	470-862	470-862	470-862	47-240 / 470-862	950-2150	950-2150
Input configuration Number of programmable UHF filters per input		-	-	10	0	0	-	-	-
		-	-	9	0	1	-	-	-
		-	-	7	0	3	-	-	-
		-	-	2	5	3	-	-	-
Gain	Configuration TV2 & TV1	30	35	35/55 (switchable)		35	40	-1.5	
	Configuration TV1	35	40	40/60 (switchable)		40	40	-	
Gain adjustment	dB	25	20	30		20	20	-	
Noise figure	dB	<6	<6	<6		<6	<9	-	
Optimum input margin	dB $\mu$ V	60-85	60-80	50-80 70-100		60-80	68-88	-	
Return losses	dB	>10	>10	>10		>10	>10	>10	
Selectivity ( $\pm$ 10 MHz of channel ends)	dB			>10		-	-	-	
Uncoupling between inputs	dB	-	-	>20		-	-	-	
AGC tolerance	dB	-	-	$\pm$ 1		-	-	-	
Switchable preamp voltage	V	-	-	0-12-24		-	0-13-18	-	
Maximum preamp current	mA	-	-	100		-	300	-	
Preamp tones	kHz	-	-	-		-	0-22	-	
Slope adjustment	dB	-	-	-		-	0-9	-	

### Outputs (2 options)

		TV+FI						
Output level	Config. 2 outputs TV2 & TV1	113	113	118	113/118	116	-	
	Config. 1 output TV1	118	118	123	113/123	116	-	
Output level adjustment	dB			20			-	
Return losses	dB			>10			-	
Test outputs (2)	dB			-30			-	

### Operations

Mains voltage	V~	230 - 240
Consumption	A / W	0.25 / 25
Operating temperature	$^{\circ}$ C	-5 to 50
Mains connector		IEC C8
Dimensions	mm	300 x 250 x 40



### HEADQUARTERS

IKUSI - Ángel Iglesias S.A. · P<sup>o</sup> Miramón, 170 · 20009 San Sebastián · SPAIN  
Tel.: +34 943 44 88 00 · Fax: +34 943 44 88 20 · television@ikusi.com · www.ikusi.com

