

Flow



The first Hotel TV Smart Headend

flow

ENSURE THE BEST TV OFFER

- ✓ OPTIMIZE ROI
- ✓ IMPROVE INSTALLATION COST
- ✓ IMPROVE MAINTENANCE COST
- ✓ IMPROVE OPERATIONS COST

flow

- **EASY**
- **SIMPLE**
- **VERSATILE**

flow



- ✓ One platform for all your needs
- ✓ Any input possible: DVB-S/S2, DVB-T/T2, DVB-C
... in a SINGLE module

flow



- ✓ Manages content, not technical parameters
- ✓ Auto detection of services and automatic setup
- ✓ Available capacity indication

flow



- Small footprint per channel
- More than 200 SD and 140 HD services
- All in a real 4 U chassis

flow



- ✓ Services always on
- ✓ Quick solution, no visits needed
- ✓ Configuration is “balanced” in a spare module
- ✓ Hot Swap

flow

flow → faster than any other

- Quick Installation
- Automatic Configuration

flow

➤ Packaging

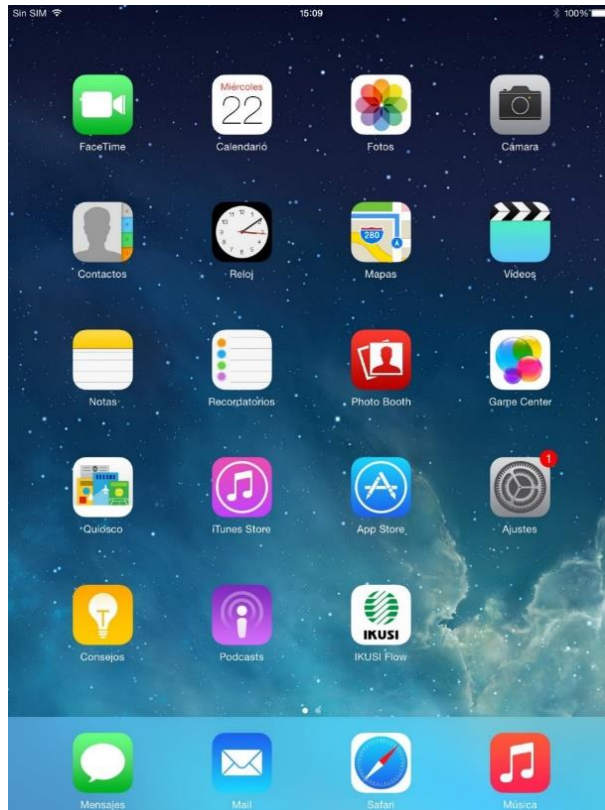


flow

➤ Tools



flow



➤ SIMPLE

flow

FLOW BASE

- ✓ 4U
- ✓ Light
- ✓ No tools needed
- ✓ Built-in multiswitch
- ✓ Cable autodetection



flow



FLOW PSU

- ✓ Slot 1
- ✓ Thermal protection
- ✓ Designed for any module combination

FLOW RPSU

- ✓ 2 PSU in 1U
- ✓ Uninterrupted power supply
- ✓ Hot Swap



flow

FLOW HUB

- ✓ Slot 2
- ✓ Headend management
- ✓ Access through WIFI or LAN
- ✓ Web Interface
- ✓ Configuration through Wizard
- ✓ Backups and firmware management
- ✓ 2 TV ports, 1 Gb each



flow

FLOW IN4

- Any Slot
- Multistandard
- 4 Tuners (IN4)
- 60 SPTS
- Autoscan & Autodetection
- Hot Swap



flow

FLOW SEC

- ✓ Any Slot
- ✓ Decryption (CAS) & Encryption (DRM)
- ✓ 2 CI Slots
- ✓ CAM optimization through profiling
- ✓ Pool System
- ✓ 16 SPTS per CI



flow

FLOW ENC+

- ✓ Any Slot
- ✓ 4 HDMI encoder
- ✓ MPEG4/H.262 & MPEG2
compression
- ✓ 1080p30 maximum resolution



flow

FLOW OUT

- ✓ Any Slot
- ✓ 4 or 6 muxes
- ✓ DVB-C & DVB-T
- ✓ 8 SPTS per mux (4 muxes)
- ✓ 6 SPTS per mux (6 muxes)
- ✓ 78 to 108dBm output level



flow

FLOW COVER

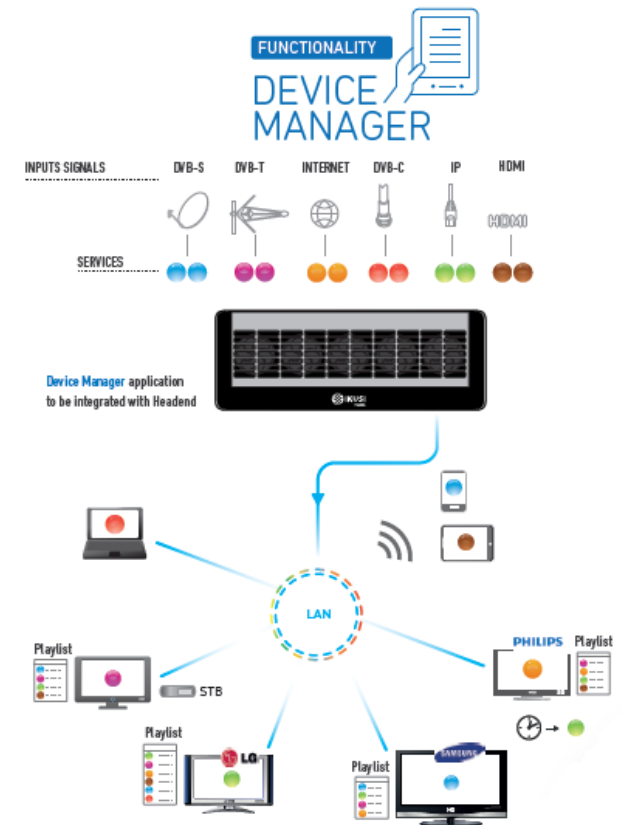
- ✓ Magnetic assembly
- ✓ Silent
- ✓ Automatic fan speed control




flow

FLOW DEVICE MANAGER

- ✓ License
- ✓ App within the headend
- ✓ Control over channels and devices (TV & STB)
- ✓ LG / SAMSUNG / PHILIPS compatible
- ✓ DRM compatible



flow

DTV 1 HOTBIRD 13° E ASTRA 19.2° E  MENU

1 PSU 2 HUB TV1 TV2 3 IN2 4 IN2 5 IN4 6 ENC A B C D 7 SEC 8 IN2 9 OUT 10 OUT 11 IN2 12 OUT

T/C1 T/C2 SAT 1 SAT 2 SAT 3 SAT 4 SAT 5 SAT 6 SAT 7 SAT 8 TV TEST TV OUT

SERVICE WIZARD

IP SERVICE LISTING RF SERVICE LISTING

IP	SERVICE	SERVICE NAME TO SHOW	LANGUAGE
239.255.20.1	Telecinco	Telecinco	qaa spa
239.255.20.2	Cuatro	Cuatro	qaa spa

flow

Features	FLOW
IP Pool	✓
Universal tuner (a single all-purpose tuner)	✓
Auto-detection (signals, satellites, ...)	✓
High density	✓✓
Easy to program	✓✓
WiFi programming	✓
Built-in multiswitch	✓
Redundancy	✓✓
DRM	✓
DVB-T/C out	✓
IP out	✓
Hybrid (DVB-T/C + IP) out	✓
Device Manager software	✓
Channel service re-scanning (no need for TV re-tuning)	✓
EPG (channel information)	✓
C.I. slots (CAM)	✓
Multi-language (same channel in different languages)	✓
RF channel out in any slot	✓
SID/TSID/ONID/PID	✓

flow

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ELECTRÓNICA 



flow

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Reliable. Flexible. Evolved.