Televes®
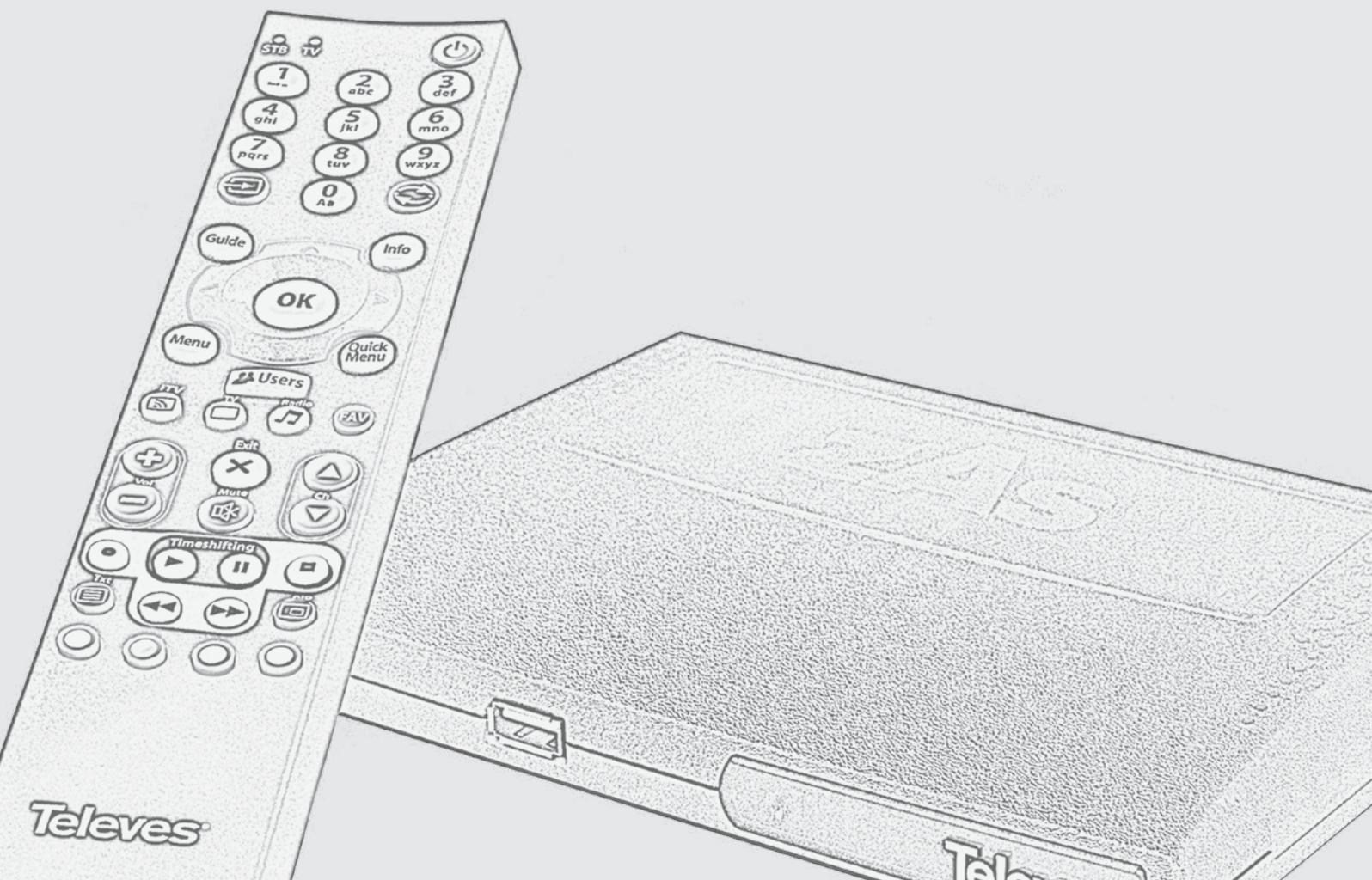
RECEIVERS AND
HOME ACCESSORIES

DOMESTIC RECEIVER (TERRESTRIAL)

Terrestrial Digital Receiver zAs Hbb

QR-A00120

Hybrid receiver DTT (SD and HDTV) with internet connection through the standard HbbTV, a connection that allows the user to access all the entertainment services offered by the operator, including video on demand (VOD), interactive advertisement, social networks, etc.

European technology made in Europe. The most advanced process in automated manufacturing is used by Televes in order to guarantee the quality and reliability of the receiver.

Technical features:

▶ Standard **DVB-T.**

▶ Video compatible with **MPEG2 and MPEG4/H.264**

▶ Compatible with **HbbTV**

▶ **PVR functionality** via USB 2.0. External hard drive required or "Pen Drive" with FAT32, NFTS or ext3 (linux).

▶ **Multimedia player**: video, audio and pictures.

▶ 5 lists of **favorites** channels (A, B, C, D, E).

▶ Compatible with **LCN**.

▶ Electronic programing guide (**EPG**).

▶ Supports Teletext VBI, Teletext OSD, standard subtitles and teletext.

▶ Saves and recovers t**he last viewed channel**.

▶ **Software update** through a USB or IP.

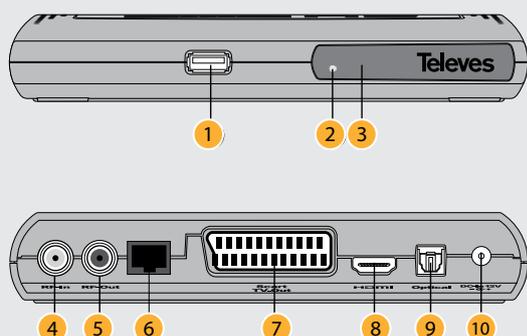▶ **Universal remote control** (allows to control the TV).

▶ **Low consumption.**

Made in EU

INCLUYE CABLE HDMI

▲ zAs Hbb

| REF.	DESCRIPTION
511501	Digital terrestrial receiver with VOD access, "zAs Hbb"

Nº	Function	Description
1	HOST USB	Connection for a USB, memory card reader or external hard drive (FAT 32, NTFS and ext3 linux) with external power supply
2	LED	Operating LED. Red: Standby, Green: ON
3	IR	IR sensor
4	RF-IN	Terrestrial antenna input
5	RF-OUT	RF output in order to connect to a TV or VCR
6	RJ-45	Data port (internet)
7	SCART	To connect to a TV via a euroconnector
8	HDMI	Interface to connect the HDMI cable
9	OPTICAL	Optical port for digital audio
10	DC-I N 12V	Input to connect the 12V AC adapter

DOMESTIC RECEIVER (TERRESTRIAL)

Reference			511501
Input tuner			
Input frequency	MHz		174...862
Input level	dBµV		45...90
TV-Video system			
Demodulation			DVB-T
Video resolution			576i, 576p, 720p, 1080i, 1080p
Image format			4:3 (Letter Box, Pan&Scan) / 16:9 (Zoom, Pan & Scan)
Video decoding			MPEG-2, MPEG-4, H.264 (MP4,MKV,AVI)
TV-Audio system			
Audio decoding			MPEG/MusiCam Layer I & II, AC3, AAC, AAC+, Dolby digital, Dolby digital +, mp3
Connectors			
Input/Output terrestrial			2 x CEI
SCART			Output RGB, CVBS, analogue Audio Output
HDMI			Audio/Vídeo Digital Output
SPDIF			Digital audio optical Output
USB			1 x 2,0 (S/W update)
Power supply			
Network	Voltage	Vac	196...264
	Frequency	Hz	50-60
Max. Consumption	working	W	< 4,5
	Standby		< 0,6
Memory			
Flash		MB	500
RAM			2x 250 DDR2
General			
Working temp.	ºC		-5...45
Dimensions (wid x hei x dep)	mm		180 x 29 x 130
Weight	Kg		0,3

The zAs Hbb allows the rendering of the mentioned files in the table below:

Type of file	extension	Video Codec	Audio Coded
MP4	MP4	MPEG4 H.264	AAC
WAV	WAV		PCM MP3
MATROSKA	MKV MKA	MPEG4 H.264	AC-3 MP2 MP3 AAC
AVI	AVI	XDIV (MPEG4-ASP)	AC-3 MP2 MP3
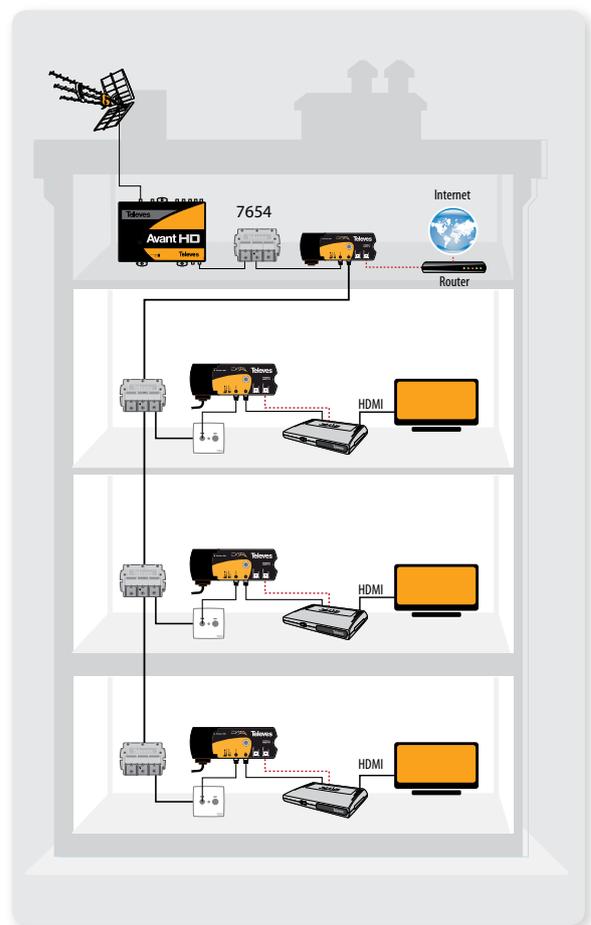
DOMESTIC RECEIVER (TERRESTRIAL)

Digital Terrestrial Receiver zAs HD

QR-A00047

DTT receiver (SD and HDTV), the ideal option for the televisions lacking an integrated DTT, or DTT MPEG 4 tuner

European technology made in Europe. The ost advanced process in automated manufacturing is used by Televes in order to guarantee the quality and reliability of the receiver.

Technical features:

▶ Standard **DVB-T.**

▶ Video compatible with **MPEG2 and MPEG4/H.264.**

▶ **PVR functionality** via USB 2.0. External hard drive required or "Pen Drive" with FAT32,

▶ "**TimeShift**" functionality using a USB with a recording option.

▶ **Multimedia player**: video, audio and pictures.

▶ 6 lists of **favorites** channels (A, B, C, D, E, F).

▶ Compatible with **LCN**.

▶ Electronic programing guide (**EPG**).

▶ Supports Teletext VBI, Teletext OSD, standard subtitles and teletext.

▶ Saves and recovers t**he last viewed channel**.

▶ **Parental control.**

▶ **Software update** through a USB.

▶ **Low consumption.**

zAs HD

▲ zAs HD

REF.	DESCRIPTION
5124	Digital terrestrial receiver "zAs HD"
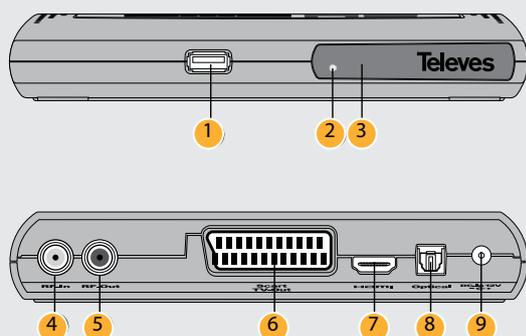
Nº	Function	Description
1	HOST USB	Connection for a USB, memory card reader or external hard drive (FAT 32) with external power supply
2	LED	Operating LED. Red: Standby, Green: ON
3	IR	IR Sensor
4	RF-IN	Terrestrial antenna input (power supply +5V/100mA selec. by menu)
5	RF-OUT	RF output in order to connect to a TV or VCR
6	SCART	To connect to a TV via a euroconnector
7	HDMI	Interface to connect the HDMI cable
8	OPTICAL	Optical port for digital audio
9	DC-IN 12V	Input to connect the 12V AC adapter

DOMESTIC RECEIVER (TERRESTRIAL)

Reference		5124
Input tuner		
Input frequency	MHz	174...862
Input level	dBμV	45...90
Video tv system		
Demodulation		DVB-T
Video resolution		576i, 576p, 720p, 1080i, 1080p
Image format		4:3 (Letter Box, Pan&Scan) / 16:9 (Zoom, Pan & Scan)
Video decoding		MPEG-2, MPEG-4, H,264 (MP4,MKV,AVI)
Symbol speed	Msps	1...45
Audio TV-System		
Audio decoding		MPEG/MusiCam Layer I & II, AC3, AAC, AAC+, Dolby digital, Dolby digital +, mp3
Connectors		
Input/Output terrestrial		2 x CEI
SCART		RGB Output, CVBS, Analogue audio
HDMI		Audio Output/Digital Vídeo
SPDIF		Digital audio optical output
USB		1 x 2,0 (S/W update)
Power supply		
Network	Voltage	Vac	100...240
	Frequency	Hz	50-60
Max consumption	Working	W	< 4,5
	Standby		< 0,6
Memory		
Flash	MB	32
RAM		512
General		
Working temp.	ºC	-5...45
Dimensions (wid x hei x dep)	mm	180 x 29 x 130
Weight	Kg	0,3

The zAs HD allows the rendering of the mentioned files in the table below:

File type	Extension	Video codec	Audio codec
MP4	MP4	MPEG4 H.264	AAC
WAV	WAV		PCM MP3
MATROSKA	MKV MKA	MPEG4 H.264	AC-3 MP2 MP3 AAC
AVI	AVI	XDIV (MPEG4-ASP)	AC-3 MP2 MP3
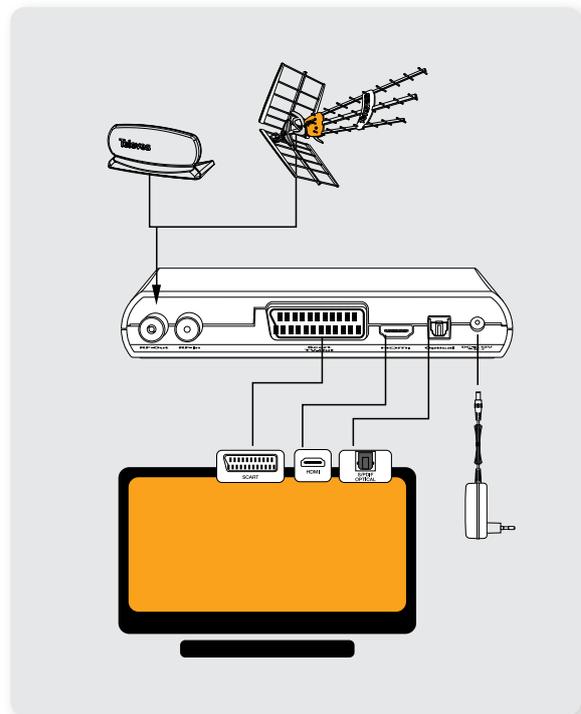
DOMESTIC RECEIVERS (SATELLITE)

Satellite Digital Receiver zAs HD SAT

QR-A00206

Satellite receiver (SD y HDTV), the ideal solution for the televisions lacking a TV SAT tuner.

European technology made in Europe. The Most advanced process in automated manufacturing is used by Televes in order to guarantee the quality and reliability of the receiver.

Technical features:

▶ **DVB-S / DVB-2** standard**.**

▶ Vídeo compatible with **MPEG2 and MPEG4/H.264.**

▶ Free to air channels adapter (**FTA**).

▶ **PVR** functionality via USB 2.0. Requires an external hard drive (FAT32) or Pen Drive (FAT32).

▶ "**TimeShift**" option by USB with recording option.

▶ Compatible with DISEqC 1.2, antenna engine, unicable LNB.

▶ Electronic programing guide (**EPG**).

▶ 6 lists of **favorites** channels (A, B, C, D, E, F).

▶ Support VBI teletext, OSD teletext, standard subtitles and teletext.

▶ Saves and recovers t**he last viewed channel.**

▶ **Parental control**.

▶ **Software update** via USB.

▶ **Low consumption.**

▲ zAs HD SAT

REF.	DESCRIPTION
717501	Satellite digital receiver zAs HD SAT
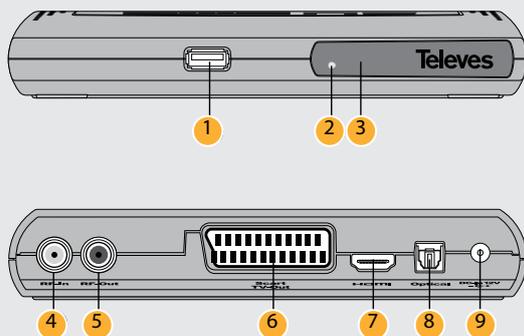
Nº	Function	Description
1	HOST USB	Connection for a USB, memory card reader or external hard drive (FAT 32) with external power supply
2	LED	Operating LED. Red: Standby, Green: ON
3	IR	IR sensor
4	RF-OUT	RF output in order to connect to a TV or VCR
5	RF-IN	Signal input from the antenna
6	SCART	To connect to a TV via a euroconnector
7	HDMI	Interface to connect the HDMI cable
8	OPTICAL	Optical port for digital audio
9	DC-IN 12V	Input to connect the 12V AC adapter

DOMESTIC RECEIVERS (SATELLITE)

Reference			717501
Input tuner			
Input frequency	MHz		950...2150
Input level	dBµV		30...90
Video TV-System			
Demodulation			DVBS (QPSK), DVBS2 (QPSK, 8PSK)
Video resolution			576i, 576p, 720p, 1080i, 1080p
Image format			4:3 (Letter Box, Pan&Scan,Voll) / 16:9 (Zoom, Full, Pan&Scan, Automatic)
Video decoding			MPEG-2, MPEG-4, H.264 (MP4,MKV,AVI)
Speed symbol	Msps		1... 45 (1... 30 in DVB-S2/8PSK)
Audio TV-System			
Audio decoding			MPEG/MusiCam Layer I & II, AC3, AAC, AAC+, Dolby digital, Dolby digital +, mp3
Connectors			
Satellite Input/Output			2 x F female
SCART			Output RGB, CVBS, Analogue audio
HDMI			Audio/Vídeo Digital Output
SPDIF			audio digital optical Output
USB			1 x 2.0
Power supply			
Network	Voltage	Vac	100...240
	Frequency	Hz	50-60
Max consumption	Working	W	< 4.5
	Standby		< 0.3
Signal control	Band selection		22 KHz
	DiSEqC switch		DiSEqC 1.2
	Compatible Unicable		SatCR
Memory			
Flash	MB		32
RAM			512
General			
working temp	ºC		-5...45
Dimensions (wid x hei x dep)	mm		180 x 29 x 130
Weight	Kg		0,3

The zAs HD SAT allows the rendering of the mentioned files in the table below:

File type	Extension	Video codec	audio codec
MP4	MP4	MPEG4 H.264	AAC
WAV	WAV		PCM MP3
MATROSKA	MKV MKA	MPEG4 H.264	AC-3 MP2 MP3 AAC
AVI	AVI	XDIV (MPEG4-ASP)	AC-3 MP2 MP3

7269

DiSEqc switch 4 inputs

Engine
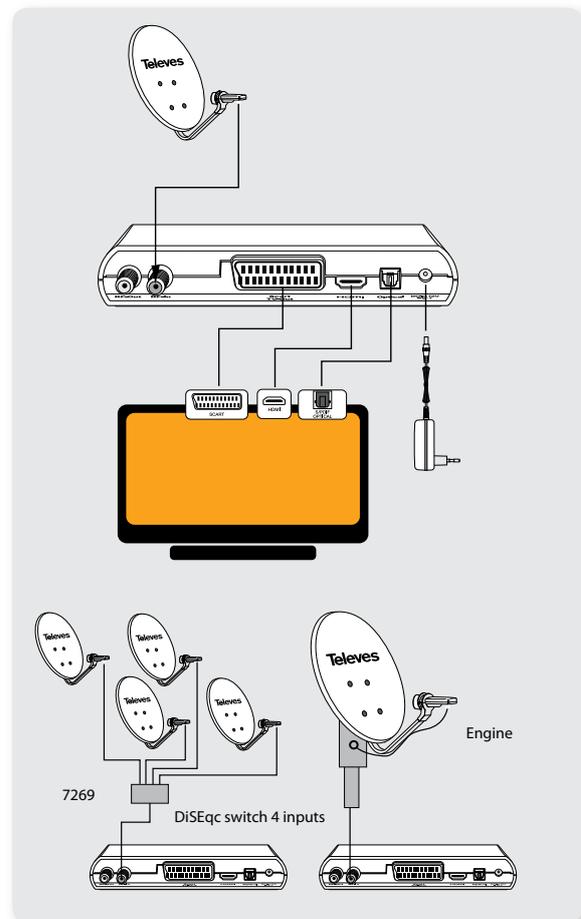
Digital Satellite receiver RSD

QR-A00078

Satellite receiver ready to receive free to air channels.

Equipped with three output types

▶ Vídeo components.
▶ Euroconector.
▶ UHF modulator (21-69).

This one, makes it possible to use this device with televisions lacking euroconector input, making it easier to distribute the generated UHF channel through all the sockets of the apartment.

Technical features:

▶ 8 **favorites** channels list.
▶ Compatible with **DiSEqC 1.2, USALS and Unicable LNB**.
▶ High quality of vídeo and audio.
▶ Management of channels: "Move", "Search", "Order", "Edit".
▶ Electronic programing guide (**EPG**).
▶ **Teletext functionality**.
▶ **Standard subtitles**/teletext.
▶ Access control.
▶ Saves and recovers t**he last viewed channel**.
▶ **Automatic shutdown** 60, 120 and 180 min.
▶ **RF modulator.**
▶ **Mosaic and zoom functionalities.**
▶ Time schedule visualization.
▶ Games.
▶ **Low consumption.**

▲ 7118

REF.	DESCRIPTION
7118	Digital signal receiver RSD
711801	Digital signal receiver RSD *(UK plug)*

Reference			7118 / 711801
Input tuner			
Input frequency		MHz	950...2150
Input level		dBµV	42... 82
video TV-system			
Demodulation			DVB-S
Video resolution			720 x 576 (PAL); 720 x 480 (NTSC)
Image format			4:3 (Letter Box, Pan&Scan) / 16:9
Video decoding			MPEG-2 Main Profile @ Main Level
Symbol speed		Msps	1... 45
Audio TV-system			
Audio decoding			MPEG-1 layer I & II (Musicam Audio)
Connectors			
Satellite Input/Output			2 x F female
SCART			1 x TV(RGB, CVBS, L/R Audio) 1 x VCR (CVBS, L/R Audio)
RS-232			9-pin D-Sub (S/W Update)
RCA			2 x female (Audio Hi-Fi)
Coaxial CEI			1 x Input RF, 1 x Output RF
UHF modulator			C. 21 a C.69 (C.38 by default)
Power supply			
Network	Voltage	Vac	220...240
	Frequency	Hz	50-60
max consumption	Working	W	< 25
	Standby		< 1
Signal control	Band selection		22 KHz tone
	DiSEqC switch		Version 1,0 - Tone Burst A/B
	Locator		DiSEqC 1.2 / USALS, SatCR
System			
RAM memory		MB	2
Flash memory		MB	2
General			
Working temp.		ºC	0...40
Dimensions (wid x hei x dep)		mm	280 x 43 x 165
Weight		Kg	1,3

HOME ACCESSORIES

A/V Modulator

QR-A00071

Domestic A/V modulator that generates any analogue channel on the MATV band.

▶ Indicates the channel via a **led**.

▶ **Gain regulation** to generate an equilibrium between the level of the selected channel and the remaining channels.

▶ RF loop compatible with SMATV installations. allows the current to go through in order to reach the power supply unit of the LNB.

▶ **Audio level adjustment** to generate an equilibrium between the level of the selected channel and the remaining channels.

▶ Capable of generating a **"test" signal** (composed by two white bands) in order to locate the generated channel within the network.

▶ With an efficient and optimized **power supply**.

▲ 5858

REF.	DESCRIPTION
5858	PAL B/G A/V Modulator
585801	PAL I A/V Modulator *(UK plug)*

Euroconector cable to 2 RCA Male (1,5m), is an ideal supporting feature to introduce the video/audio signal generated by a receiver, vídeo, player... in the modulator with the following ref.5858

▲ 4377

Test (On/Off)

230V~

Entrada Audio

Entrada Video

Entrada RF

Salida RF + 1Ch. V/UHF

DC pass: 300 mA
RF pass: 5 - 2400 MHz

Lectura del canal con display

Ajuste del nivel de audio

Cambio de canal

Ajuste del nivel de salida del canal modulado

Reference		5858	585801
Modulator			
Norm		PAL B/G	PAL I
Band		VHF - UHF	
Output level (tip.)	dBμV	90 typ.	
Regulation Margin	dB	> 15	
Vídeo	V$_{pp}$	1 (over 75 Ω)	
Audio	Hz	50...15000	
RF loop			
Band	MHz	5...2400	
Trough loss	dB	< 2	
Max power supply through	mA	300 max.	
General			
Power supply	V$_{ac}$	196...264	
Consumption	W	2,5	
Working temp.	ºC	-5...+45	
protection index		IP20	
Weight	gr	250	
Dimensions (wid x hei x dep)	mm	145x55x35	

TEST

ON ◀▶ OFF

230 V~

Audio

Vídeo

IN RF

Ref. 4377

(+DC LNB)

MATV + FI + 1CH

7452

MATV+FI

(+DC LNB)

TEST ON

TEST OFF (normal)

MATV + FI + 1Ch

5228   5228   5229

(+DC LNB)   STB

IR Audio/Video transmission

QR-A00079

Audio/Video wireless transmission system with Infrared return.

allows the configuration of the frequency of the transmission to avoid any interference between the users.

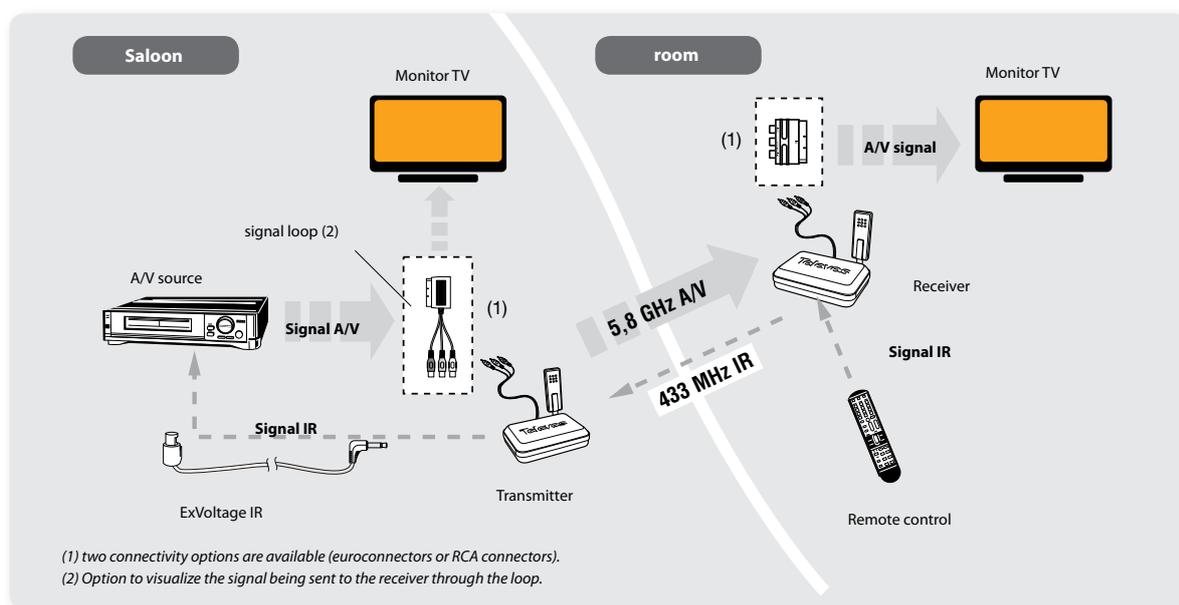| REF.	DESCRIPTION
7307	Transmitter+Receiver Digidom A/V 2,4 GHz 3 channels
730704	Transmitter+Receiver Digidom A/V 2,4 GHz 3 channels *(UK plug)*
7604	Additional receiver for ref. 7307
7167	Transmitter+Receiver Digidom A/V 5,8 GHz 8 channels

▲ 7307

▲ 7167

Main features of the ref. 7307 / 730704

▶ Transmitter and receiver on the 2,4GHz band, **with 3 selectable channels** using a switch.

▶ A/V input (Satellite, set-top box, DVD player, video camera, etc.).

▶ A/V connection adapter.

▶ Loop-through functionality.

▶ All the **antennas** (2,4GHz y 433MHz) **are hidden** within the housing.

▶ **PAL and NTSC formats** available.

▶ **Low consumption.**

Main features of the ref. 7167

▶ Transmitter and receiver on the 5,8GHz band, **with 8 selectable channels** using a switch.

▶ A/V input (Satellite, set-top box, DVD player etc...)

▶ A/V connection adapter.

▶ Loop-through functionality.

▶ **Orientable** Antenna.

▶ **PAL and NTSC** formats are available.

▶ **Low consumption.**

Saloon

Monitor TV

room

Monitor TV

(1)

A/V signal

signal loop (2)

A/V source

Signal A/V

(1)

5,8 GHz A/V

433 MHz IR

Receiver

Signal IR

Signal IR

Transmitter

ExVoltage IR

Remote control

(1) two connectivity options are available (euroconnectors or RCA connectors).
(2) Option to visualize the signal being sent to the receiver through the loop.

HOME ACCESSORIES

IR Transmission by RF

QR-A00081

These IR devices form an RF remote control extension (433 MHz)

REF.	DESCRIPTION
7237	Transmitter+Receiver Digidom Remote control signal
7219	Additional Transmitter for ref. 7237
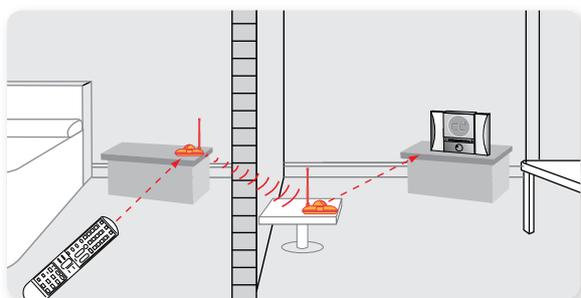
▲ 7237

Reference		7234 / 7219
Working frenquency	MHz	434
Voltage network adaptador AC/DC	Vac	230
Power supply unit voltage	Vdc	18
Consumption	W	0,7

IR Transmission by Coaxial Cable

QR-A00097

Remote control extension using coaxial cable (14.7 MHz).

The infrared signals of the remote control are transmitted using the coaxial cable related to the network of the television till the other end, where the coaxial receiver will extract the signal and transmit it towards the IR sensor of the desired equipment.

▶ **Without interferences** thanks to the shielding of the coaxial cable.

▶ **Long range.** Not limited by any interferences or obstacles.

▲ 7605

REF.	DESCRIPTION
7605	Transmitter+Receiver coaxial remote control
7606	Additional transmitter coaxial remote control

Reference		7605 / 7606	
		RX	TX
IR			
Output frequency	KHz	36 (RC5)	-
RF			
Input minimum level	dBµV	50	
modulation frequency	MHz	-	14,7
Output level	dBµV	-	100
Harmonics levels	dBc	-	-45
Insertion losses	dB	0,5 @ 5-862MHz	
General			
Power supply	Vdc	12	
Max consumption	mA	12	
Power supply in coaxial output	mA	30	-

1 - Ref. 717501 zAs HD
2 - A/V source
3 - Ref. 532910
4 - Ref. 5858
5 - Ref. 7605
6 - Ref. 7606
7 - Ref. 544502
8 - Ref. 542502