



estro2
HOSPITALITY TV SERVICES

HOSPITALITY
TV SYSTEMS



emme esse

COMPACT HEAD-ENDS FOR THE CONVERSION OF ENCODED SATELLITE SIGNALS TO COFDM

The head-ends demodulates in digital terrestrial (DVB-T) or in DVB-C, SD or HD (DVB-S and DVB-S2) satellite services, also encoded (by using CAM and professional Cards for decoding the desired channels).

Selected services are distributed to users via the same network used for digital terrestrial and can be tuned using any device (TV or Decoder) equipped with tuner for digital terrestrial (or DVB-C). New ESTRO head-end is optimized to offer the best HD channels reception and conversion, in particular for Tivùsat platform HD services. Besides, the head-end is modular and can be updated by adding components to increase its potential. Ideal for hotels, hospitals, communities, camping, etc.

Available in 3 models suitable for free to air and encoded signals:

- 80422CI: 2 SAT inputs for 2TPs - Output: 2 MUXES 2xCI
- 80428CI: 4 SAT inputs for 8TPs - Output: 4 MUXES 2xCI
- 80430CI: 4 inputs SAT for 8TPs - Output: 8 MUXES 4xCI

Common features for all the models:

- Setting from PC or remotely via Ethernet
- DTT output on vestigial channels in VHF or UHF band (90 dBμV)
- Ability to set the LCN position for any demodulated service
- “Easy Services” function to better optimize the number of channels for each mux.
- “Remapping” function to allow changing the list of demodulated services without retuning the TVs.
- “FLEX CAM” to decode services from different transponders with a single CAM module.

RANGE

<p>80422CI</p> 	<p>Compact 2xCI head-end with 3-place rack, suitable for receiving the main services of Tivùsat platform.</p> <p>Type: 2xCI</p> <p>Inputs: 2 per 2 Tp</p> <p>Output muxes: 2 flexible (also not adjacent)</p>	 
<p>80428CI</p> 	<p>Compact FTA head-end with 3-place rack, suitable for receiving the main services of Tivùsat platform, including a bundle of thematic channels.</p> <p>Type: 2xCI</p> <p>Inputs: 4 for 8 Tp</p> <p>Output muxes: 4 adjacent</p>	 
<p>80430CI</p> 	<p>Compact FTA head-end with 5-place rack, suitable for receiving a number of services by Tivùsat platform.</p> <p>Type: 4xCI</p> <p>Inputs: 4 for 8 Tps</p> <p>Output muxes: 8 (4 adjacent + 4 adjacent)</p>	 



EASY SERVICE
SAT services received from a TP can be converted to different output muxes with no constraints.



LCN LIST
Sorting of the channel list and LCN numbering are parameters that can be managed in the programming.



FAST SETTING
Programmable from PC with the supplied SW and remote control via Ethernet (optional interface code 80402RC).



REMAPPING
Demodulated channel list can be changed without retuning linked TVs.



FLEX CAM
An only professional CAM module to decode services from different SAT TPs with a remarkable cost saving.

FREE TO AIR SERVICE SYSTEMS

COMPACT HEAD-ENDS FOR THE CONVERSION OF FREE TO AIR SATELLITE SIGNAL TO COFDM

The head-end demodulates also HD (DVB-S and DVB-S2) services received from Satellite to digital terrestrial (DVB-T) or DVB-C. Selected satellite signals are distributed to users via the same network used for digital terrestrial and can be tuned using any device (TV or Decoder) equipped with tuner for digital terrestrial (or DVB-C).

New ESTRO head-end is optimized to offer the best HD channel reception and conversion.

Besides, the head-end is modular and can be updated by adding components (e.g. 2 slots for CI CAM module) to increase its potential. Ideal for hotels, hospitals, communities, camping, etc.

Available in 3 models suitable for free to air signals:

- 80422: 2 inputs SAT for 2TPs - Output: 2 FTA MUXES
- 80428: 4 inputs SAT for 8TPs - Output: 4 FTA MUXES
- 80429: 4 inputs SAT for 8TPs - Output: 8 FTA MUXES

Common features for all the models:

- Setting from PC or remotely via Ethernet
- DTT output on vestigial channels in VHF or UHF band (90 dB μ V)
- Ability to set the LCN position for any demodulated service
- “Easy Services” function to better optimize the number of channels for each mux.
- “Remapping” function to allow to change the list of demodulated services without retuning the TVs.

RANGE

80422



Compact FTA head-end with 3-place rack, suitable for receiving a limited number of free-to-air channels.

Type: FTA

Inputs: 2 for 2 Tps

Output muxes: 2 flexible (also not adjacent)



80428



Compact FTA head-end with 3-place rack, suitable for receiving a good number of free-to-air channels.

Type: FTA

Inputs: 4 for 8 Tps

Output muxes: 4 adjacent



80429



Compact FTA head-end with 3-place rack, suitable for receiving a high number of free-to-air channels.

Type: FTA

Inputs: 4 for 8 Tps

Output muxes: 8 (4 adjacent + 4 adjacent)



EASY SERVICE

SAT services received from a TP can be converted to different output muxes with no constraints.



LCN LIST

Sorting of the channel list and LCN numbering are parameters that can be managed in the programming.



FAST SETTING

Programmable from PC with the supplied SW and remote control via Ethernet (optional interface code 80402RC).



REMAPPING

Demodulated channel list can be changed without retuning linked TVs.

CONFIGURATION 1

ENCODED SERVICES - TIVUSAT PLATFORM

Main receivable services

	Rai 1 HD	1
	Rai 2 HD	2
	Rai 3 HD	3
	Rete 4 HD	4
	Canale 5 HD	5
	Italia 1 HD	6

Description:

Installation for the distribution in COFDM of 6 Tivusat platform HD services

Satellite - Hotbird
Tp: 12 - 52

Service in Italian language

Head-end composition



N. 1 - Code 80422CI
Compact ESTRO head-end
2TP/2Mux 2xCI



N. 1 - Code 111CI
(or 112CI)
Professional CAM

CONFIGURATION 2

ENCODED SERVICES - TIVUSAT PLATFORM

Main receivable services

	Rai 1 HD	1
	Rai 2 HD	2
	Rai 3 HD	3
	Rete 4 HD	4
	Canale 5 HD	5
	Italia 1 HD	6
	La 7 HD	7
	Mediaset 20 HD	20

	Rai Movie HD	14
	Rai Gulp HD	42
	Rai 5 HD	13
	Rai Sport + HD	21
	Top Crime	39
	Cartoonito	41
	Boing	40
	TGCOM 24	25

Description:

Installation for the distribution in COFDM of 16 Tivusat platform SD and HD services

Satellite - Hotbird
Tp: 12 - 52 - 60 - 125

Service in Italian language

Head-end composition



N. 1 - Code 80428CI
Compact ESTRO head-end
4TP/8Mux 2xCI



N. 2 - Code 111CI
(or 112CI)
Tivusat Professional CAM

CONFIGURATION 3

ENCODED SERVICES – TIVUSAT PLATFORM

Main receivable services

	Rai 1 HD	1
	Rai 2 HD	2
	Rai 3 HD	3
	Rete 4 HD	4
	Canale 5 HD	5
	Italia 1 HD	6
	La 7 HD	7
	Mediaset 20 HD	20
	Rai Movie HD	14
	Rai Gulp HD	42
	Rai 5 HD	13
	Rai Sport + HD	21
	Rai 4 HD	10
	Nove HD	9
	Motor Trend HD	57
	Giallo HD	38

	Boing	40
	Cartoonito	41
	TGCOM 24	25
	TOP Crime	39
	Mediaset Italia 2	16
	Rai News 24 HD	24
	TV 8 HD	8
	Cielo HD	19
	DMAX HD	28
	Real Time HD	31
	RTL 102.5 HD	36
	TV 2000 HD	18
	K2	46
	IRIS	11
	LA5	12
	Focus	60

Description:

Installation for the distribution in COFDM of 32 Tivùsat platform SD and HD services

Satellite - Hotbird

Tp: 10 - 12 - 52 - 60 - 69 - 75 - 125 - 157

Services in Italian language

Head-end composition



N. 1 - Code 80430CI
Compact ESTRO head-end
8TP/8Mux 4xCI



N. 4 - Code 111CI
(or 112CI)
Professional Tivùsat CAM

Other services admissible in addition or alternatively



IMPORTANT NOTE: List of receivable services is purely indicative because it depends on the limit of decodable channels of the employed professional CAM module (111CI or 112CI) and on the transmission quality. The indicated coded services can be replaced with others present in the tuned transponders while it is possible to additionally receive any free-to-air channels. The shown logos are the property of their respective companies. The information and technical data indicated in this document are subject to change. Emme Esse S.p.A reserves the right to modify, without notice, the specifications according to the evolution of products and technologies.

CONFIGURATION 4

FREE TO AIR SERVICES

Main receivable services

RTL Tel.	Germany		German
RTL 2	Germany		German
TOGGO	Germany		German
Super RTL	Germany		German
VOX	Germany		German
RTL Nitro	Germany		German
RTL + Ger.	Germany		German
n-tv	Germany		German
ZDF	Germany		German
3SAT	Germany		German
KIKA	Germany		German
ZDF Info	Germany		German
ZDF neo	Germany		German

Description:

Installation for the distribution in COFDM of 13 free to air services

Satellite - Astra
Tp: 77 - 89

Services in language: German

Head-end composition



N. 1 - Code 80422
Compact ESTRO head-end
2TP/2Mux FTA

CONFIGURATION 5

FREE TO AIR SERVICE

Main receivable services

Life TV	UK		English
TVE Int. HD	Spain		Spanish
24 Horas HD	Spain		Spanish
BBC World	UK		English
ORT Int.	Russia		Russian
Perviy kanal	Russia		Russian
Foix TV	Austria		German
TVP Polonia	Poland		Polish
CNN Int.	U.S.A.		American English
Euronews F	France		French
France 24	France		French

RTL Tel.	Germany		German
RTL 2	Germany		German
TOGGO	Germany		German
Super RTL	Germany		German
VOX Austria	Austria		German
Super RTL Aus.	Austria		German
TRT World HD	Turkey		Turkish
RTL Austria	Austria		German
RTL2 Austria	Austria		German
EURONEWS D	Germany		German
TV5 Monde	France		French

Description:

Installation for the distribution in COFDM of 22 free to air services

Satellite - Astra
Tp: 22 - 28 - 77 - 89 - 91

Satellite - Hotbird
Tp: 80 - 94 - 128

Services in language: German, Spanish, French, English, Russian, Polish and Turkish

Head-end composition



N. 1 - Code 80428
Compact ESTRO head-end
8TP/4Mux FTA

CONFIGURATION 6

FREE TO AIR SERVICES

Main receivable services

Life TV	UK		English
TVE Int. HD	Spain		Spanish
24 Horas HD	Spain		Spanish
BBC World	UK		English
ORT Int.	Russia		Russian
Perviy kanal	Russia		Russian
France 24	France		French
TV5 Monde	France		French
TRT World HD	Turkey		Turkish
RTL Austria	Austria		German
RTL2 Austria	Austria		German
VOX up	Switzerland		Mixed language
HSE 24	Germany		German
EURONEWS D	Germany		German
TBN Europa	U.S.A.		American English
Pro7	Germany		German
Pro7 Austria	Austria		German
Kabel 1	Germany		German
Kabel 1 Austria	Austria		German
Sat1	Germany		German

CNN Int.	U.S.A.		American English
RTL Tel.	Germany		German
RTL 2	Germany		German
TOGGO	Germany		German
Super RTL	Germany		German
VOX	Germany		German
RTL Nitro	Germany		German
RTL + Ger.	Germany		German
n-tv	Germany		German
ZDF	Germany		German
3SAT	Germany		German
KIKA	Germany		German
ZDF Info	Germany		German
VOX Austria	Austria		German
Super RTL Aus.	Austria		German
Eurosport	France		French
Euronews F	France		French
TV Recodrd	Brazil		Portuguese
TBN Polonia	Poland		Polish
Sat 1 Austria	Austria		German

Description:

Installation for distribution in COFDM of about 40 free to air services

Satellite - Astra

Tp: 22 - 28 - 77 - 82 - 89 - 91

Satellite - Hotbird

Tp: 80 - 94

Services in language: German, Spanish, French, English, Russian, Polish, Portuguese e Turkish

Head-end composition



N. 1 - Code 80429
Compact ESTRO head-end
8TP/8Mux FTA

Other services admissible in addition or alternatively



IMPORTANT NOTE: Lists of receivable services are purely indicative because they depend on the various channels transmission quality and the actual presence of the service at the time of the request. Therefore, before confirming a quotation, it is recommended to check that the various services are still in transmission and that the various configurations are actually receivable with the indicated products. The shown logos are the property of their respective companies. The information and technical data indicated in this document are subject to change. Emme Esse S.p.A reserves the right to modify, without notice, the specifications according to the evolution of products and technologies.

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tivùsat
A ROOM
WITH A VIEW



Emme Esse S.p.A.
via Moretto, 46 - 25025 Manerbio (BS)
info@emmeesse.it



emmeesse.it