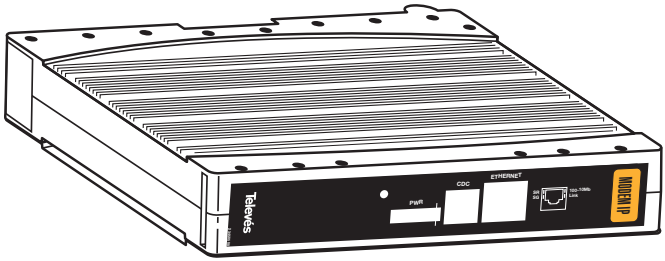
Televés

MÓDEM IP



Ref. 5837

User Manual

Important Safety Instructions

- The wall plugs should be near the equipment and should be easily accessible.
- Do not connect to the power supply until the installation is complete.
- To disconnect the equipment from the mains, unplug the adaptor.
- Do not use oils, solvents, petroleum, paint thinner or insecticides on this product.
- This product does not have any parts that can be repaired by the user. Do not open the product as you will run the risk of an electric shock.
- Do not use this product near water, for example; bathrooms, sinks, damp areas, pools, etc.
- Power the product using the supply indicated on the label.
- Unplug the adapter from the mains in the following situations:

  a) When the plug has been damaged.
  b) When the product has been in contact with water
  c) If the product does not function normally.
  d) If the product is broken.

This symbol indicates total compliance with the CE mark

This symbol indicates that the equipment is for indoor use.

This symbol indicates that the equipment complies with the safety requirements for class II equipment.

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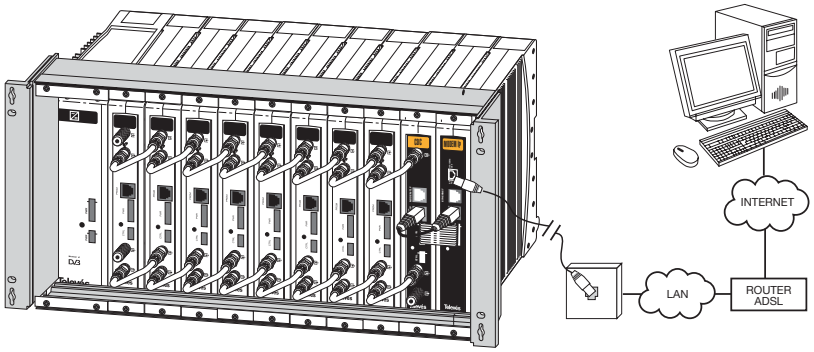
INTRODUCTION

Televés IP Modem

The IP MODEM lets you control Televés controllable headends from anywhere in the world using an Internet connection.

Typical application



To control a headend from any PC, it is necessary to have installed the appropriate CDC software version, the “VSP Manager” program and the connection file which is unique to each IP MODEM. The necessary softtware together with the connection file is on the CD that comes with the products. (See installation section). The PC requirements can be found in the CDC software manual.

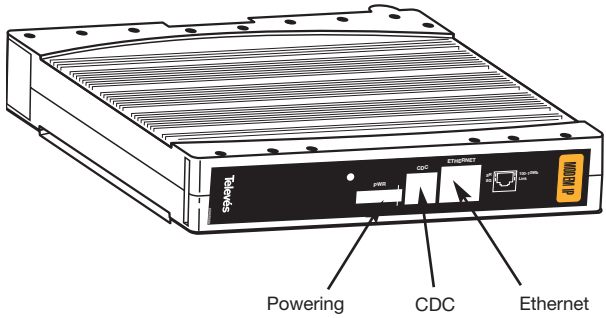
System requirements

- To use the device, you need an internet connection to connect the IP Modem
- The appropriate CDC Software installed in the PC from which to control the headend.
- The VSP Manager Software installed in the PC from which to control the headend.
- IP MODEM connection file.

Packet contents “Televés IP Modem”

- IP MODEM
- External powering
- An RJ45 crossover cable (with red ends)
- A cable to connect the IP MODEM with the CDC module
- An installation CD (include manual)

GETTING TO KNOW THE TELEVÉS IP MODEM



Modem ports

Ethernet

Connect the MODEM-IP to the LAN using an RJ45 cable or directly to the DSL router using an RJ45 crossover cable (with red ends). It is also used to change the IP address of the MODEM connecting it directly with the PC network card using an RJ45 crossover cable.

CDC

Connect the MODEM-IP to the CDC module, use the cable provided (not crossover)

Powering connector

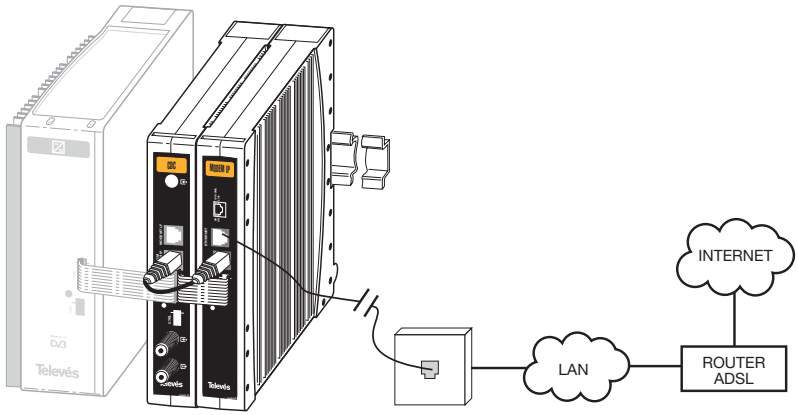
Connect the DC power supply that comes with the product: **15V** and **800mA**.

INSTALLATION OF THE MÓDEM-IP

- To connect the MODEM-IP to the CDC module, use the cable provided (not crossover) and connect the “PRGM IP MODEM” connector (on the CDC module) to the connector labelled “CDC” (on the IP MODEM module), as can be seen in figure 1.

  Important: In the older CDC modules, the “PRGM IP MODEM” connector is labelled only as “PRGM”

- To connect the MODEM-IP to the LAN (or directly to the DSL router) use the connector labelled “ETHERNET” as can be seen in figure 2.



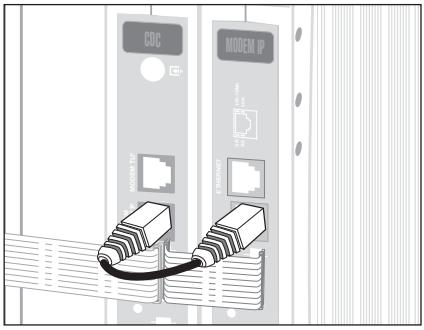


Fig. 1

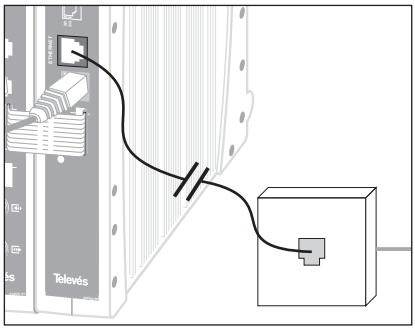
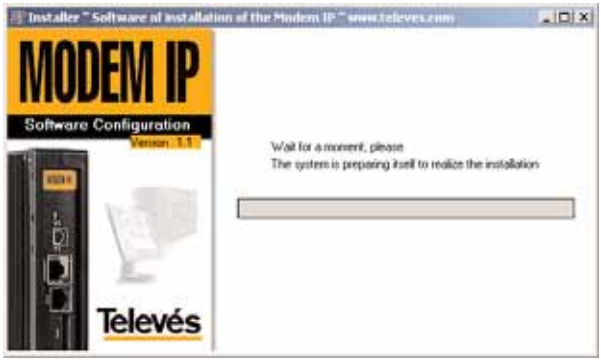


Fig. 2

INSTALLATION OF THE SOFTWARE

If the installation does not start automatically, access the CD and press “Setup.exe”. Follow the instructions that appear onscreen.

When you execute “Setup.exe” and the program starts, a screen such as the one below will appear with a bar that indicates the progress of the preparation of the system to carry out the installation, this may take awhile depending on the equipment .



Then the following screen will appear, where you must choose the language for the installation.

Choose the language from the drop-down menu, once the language has been selected as indicated in the program, press the Next button to continue.

The licence screen will appear. You must accept the licence terms to be able to continue, if you do not accept these terms the software will not let you continue with the installation.

Once the terms have been accepted, click on the Next button to enter the selection screen; this screen has got 3 options to install:

- **The connection file** that is unique for each MODEM-IP, this contains the necessary connection data for this modem, therefore, it is very important to have each IP MODEM identified with its configuration file. This file will be installed in the route that you will select for the installation in "….\\FileCDC". As you will see in the section dealing with the headend connections, it will be necessary to load the "VSP Manager" program before connecting, in this way the CDC software will identify the headend to which it should get connected. The name of this file is the serial number of the MODEM to which it is connected using the vsp extension , we recommend re-naming this file with a more descriptive name for example "Hotel las palmas.vsp" but always maintaining the ".vsp" extension.

-**"Configuration of the IP address" program**. It is important to note that all the IP Modems are configured by default to automatically obtain a dynamic IP address. This program will let you give a static IP address to your MODEM-IP. If you have already installed this program in your PC, it is not necessary to re-install it for each modem.

-**"VSP Manager" program**. This lets you load the connection file so that the CDC software gets connected to the IP MODEM and therefore with the headend that corresponds to that file. It is only necessary to install this once per PC


Installation selection
Televés
Select the packets that you want to install:
Connection file
- Includes the data of the connection with the IP modem.
- Each IP modem has associated an unique connection file. Therefore, never install a file of Connection of an IP modem using a CD that is not the one that comes together with the modem.
Program "IP address configuration"
- Allows the allocation of a dynamic or static IP address to the IP modem (as factory settings, the IP moder configurated to receive a dynamic IP address
- It is only necessary to have one installed in the PC, because is valid for all the IP modems.
Program VSP Manager
- Allows to load the connection file correspondent to the IP modem to which you want to connect
- It is only necessary to have one installed in the PC, because is valid for all the IP modems.
Programa CDC (Demo)
Previous
Next
Cancel

CHANGING THE STATIC OR DYNAMIC IP ADDRESS OF THE MODEM

All the IP Modems are configured by default to automatically obtain a dynamic IP address. This program lets you give a static IP address to your IP MODEM (or change from static to dynamic IP). To do so, follow these steps:

- Execute the “Configuration IP Modem” program

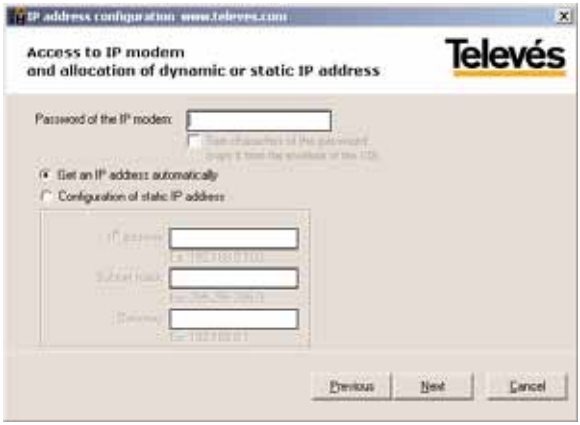
Next, you can see how to connect the MODEM directly to the PC using a crossover cable, that is different from the rest because it has a red mark at each end, remember that you will not be able to connect more than one IP MODEM at a time.

Once the connection has been carried out correctly, you can see the following screen. To carry out any operation, it is obligatory to enter the IP MODEM password, and this can be found on

the label that comes with the installation CD. Two options are possible:

a) **Obain an IP address automatically:** This option enables the IP MODEM to obtain a dynamic IP address automatically. Remember that this is the default setting.

b) **Configuration of a static IP address:** When this option is selected you can enter a static address for the modem, you must also enter all the basic network configuration data such as the “Subnet mask” and the “Gateway”.



If for any reason communication is lost with the modem during its configuration, the software will try three times to connect with it. If, after these attempts, it is impossible to establish communication with the modem, the following screen will be displayed:

From this screen, you will be able to exit the program or try the connection again. Before attempting to connect, check that the cables are properly plugged in, and read the help that appears when you click on the small **orange help box**.

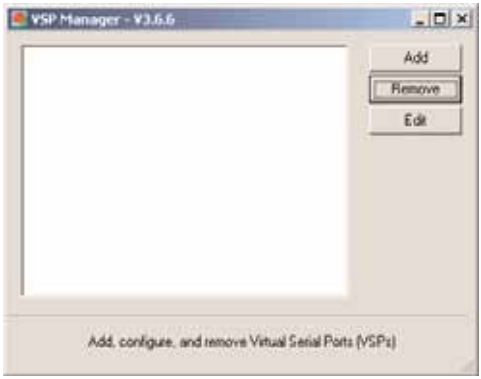
CONNECTING TO A HEADEND

To connect to a headend, follow these steps:

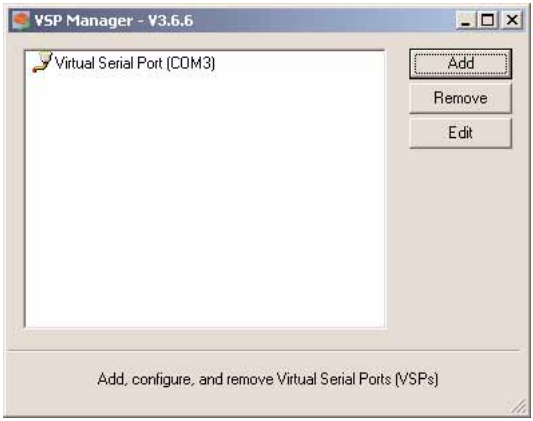
A. Execute the "Vsp Manager" program:

B. Make sure there is no file loaded in the "Vsp Manager"

- If there is no file loaded onscreen, it will appear empty, as you can see below:



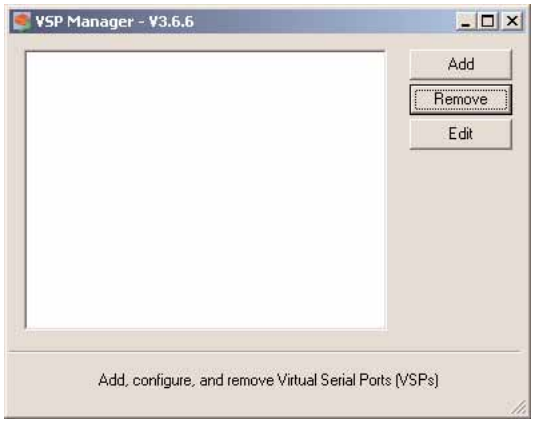
- If there is a connection file loaded, it will appear on the main screen, as can be seen in the following figure:



To erase it or the loaded connection files, select each one by clicking on “Virtual Serial Port.....” and then click on “Remove”, until the whole screen is empty.

C. Load the connection file in the "Vsp Manager". To do so, you must:

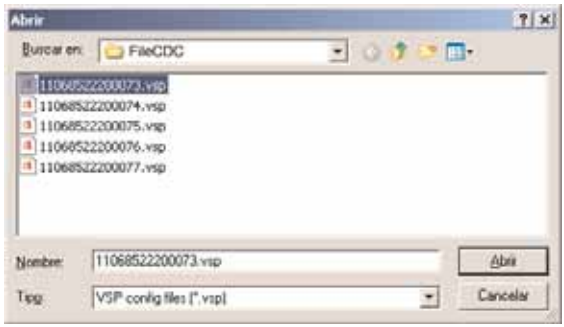
- Press Add



- In the following screen, press "Load"

- At this moment, you will see the screen that is used to open a connection file. Do this by locating it in the directory where the software was installed (see INSTALLATION OF SOFTWARE), which will normally be "C:\Programfiles\TELEVES\MódemIP\FileCDC", where you will find all the connection files (extension ".vsp"). Remember that each

connection file ".vsp" lets you carry out a connection with a single MÓDEM (this is why it is advisable when installing the file to re-name it, using a more descriptive name of the installation where it will be located, but without changing the extension ".vsp"). Also to identify which file corresponds to which Modem, you must know that the file name is the serial number that the Modem has on the label at the back.



- Once the file tab "General properties" is open, you must select **"Disabled"**

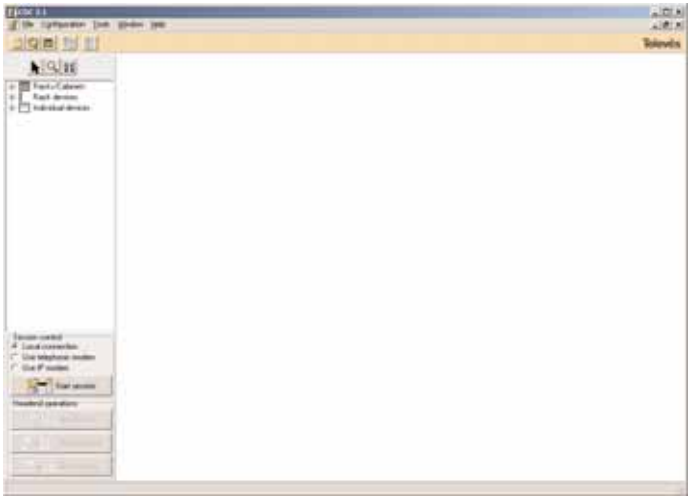
- Next, in the "Default serial settings (this is how it appeared on the original" tab, you must select the 9600 options for bits per second (bps) and Off for the flow control.

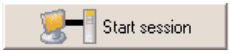
■ Press “Accept” and the close the VSP Manager by pressing ✕

Important: Remember that these steps must be repeated whenever you want to connect another IP Modem.

D. Start up the CDC software, by:

■ Making sure that the “Use IP Modem” option that appears next to the Session Log in button is enabled.



- Press “Session Log in ” 

Enter the headend password:

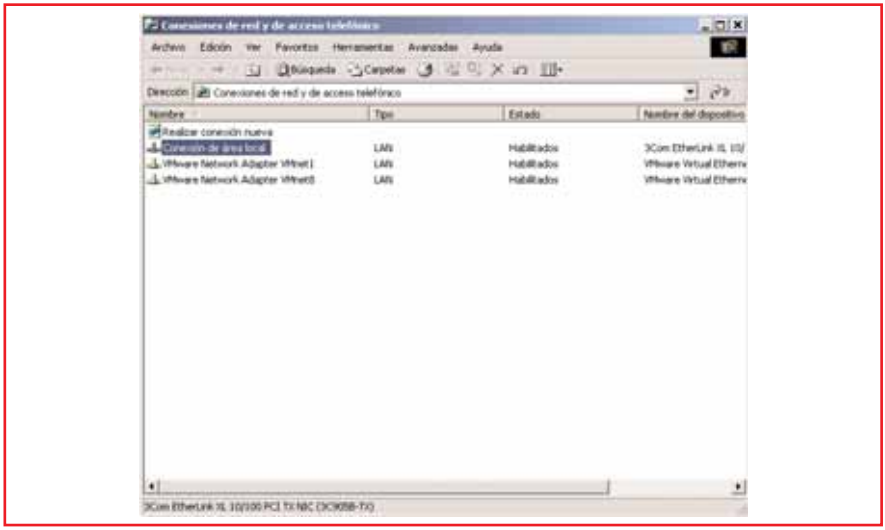
The headend is now connected.

ANNEX 0: SOLUTIONS FOR POSSIBLE CONNECTION PROBLEMS

1.- Check that "dhcp" exists on your network and that IP addresses are provided; as we have already mentioned, the IP Modems have the "dhcp" enabled by default, so they take the IP address from the network. If you do not have a "dhcp" server, the IP Modem will not work.

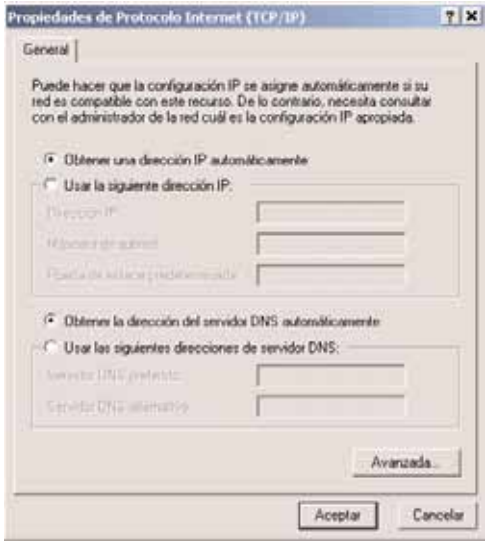
If this is the case, start the "IP configuration software" again, after connecting the IP Modem directly to the equipment using the crossover cable that is provided. Once you arrive at the screen that appears on page 12 of this manual, select **"Configuration of a Static IP Address"**, and specify an IP address, a subnet mask and a gateway to the IP Modem as indicated.

In any Windows XP system, to check that the dhcp is enabled, click on **Start >> Control Panels >> Network connections**. A screen, which will be very similar to this, will appear:



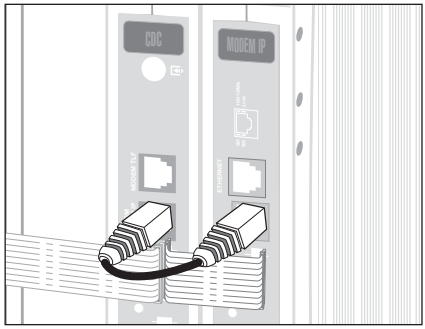
Right-click on "Local area connection", and press "Properties" on the list that appears, the following screen will be displayed:

Select the highlighed option on the previous screen and press Properties which is also highlighted in the previous screen.



2.- Check the cables between the “IP Modem” and the “CDC”.

Check that the cables are connected between the “IP Modem” and the “CDC” as can be seen in the figure.



Technical specifications

Connectors	
CDC interface	Connector RJ45 (RS232, TX/RX)
Ethernet interface	RJ45 Ethernet 10/100 BaseT
Serial interface	
Serial interface	Levels RS232 (TX/RX)
Serial port specifications	Range 150-115200bps; Parity: None, even, odd 7 or 8 bits/byte
Routing buffers	
Size	12 Kbytes x 2
Power/Temperature	
Power requirements	5V - 500 mA
Working temperature	-5 a 70ºC

Red Comercial Nacional

A CORUÑA C.P. 15011
Gregorio Hernández 8.
Tfnos.: 981 27 47 31 /981 27 22 10
Fax: 981 27 16 11
coruna@televes.com

ALMERÍA C.P. 04008
Campogrís 9.
Tfno.: 950 23 14 43
Fax: 950 23 14 43
almeria@televes.com

BADAJOZ C.P. 06010
C/Jacobo Rodríguez,
Pereira, nº11-Oficina
Tfno.: 924 20 74 83
Móvil: 670 70 21 93
Fax: 924 20 01 15
saherco@terra.es

BARCELONA C.P. 08940
C/ Sant Ferrán, 27
Cornellá - Barcelona
Tfnos.: 93 377 08 62 /93 474 29 50
Fax: 93 474 50 06
barcelona@televes.com

BILBAO C.P. 48150
Iberre kalea, módulo 16, pabellón 15-B
Sangroniz-Sondika
Tfnos.: 94 471 12 02 /94 471 24 78
Fax: 94 471 14 93
bilbao@televes.com

BURGOS C.P. 09188
C/Campanero, 3, S. Adrián de Juarros
Tfno.: 947 56 04 58
Móvil: 670 73 75 86
emilianovarga@amena.com

GIJÓN C.P. 33210
C/Japón, 14
Tfnos.: 985 15 25 50 /985 15 29 67
Fax : 985 14 63 89
gijon@televes.com

LAS PALMAS C.P. 35006
Gral. Mas de Gaminde 26
Tfnos.: 928 23 11 22 /928 23 12 42
Fax: 928 23 13 66
laspalmas@televes.com

LOGROÑO C.P. 26004
San Prudencio 19. bajo
Tfno.: 941 23 35 24
Fax: 941 25 50 78
r.grijalba@cgac.es

MADRID C.P. 28005
Paseo de los Pontones 11
Tfnos.: 91 474 52 21 /91 474 52 22
Fax: 91 474 54 21
madrid@televes.com

MÁLAGA C.P. 29006
C/ La Boheme 55
Pol. Ind. Alameda 2
malaga@televes.com

MURCIA C.P. 30010
Polígono Conver - C/ Rio Pliego 22
Tfnos.: 968 26 31 44 /968 26 31 77
Fax: 968 25 25 76
murcia@televes.com

PALMA DE MALLORCA
C.P. 07007
Ferrer de Pallares 45. bajo D.
Tfno.: 971 24 70 02
Fax: 971 24 53 42
mallorca@televes.com

PAMPLONA C.P. 31007
Avda. Sancho el Fuerte 5
Tfno.: 948 27 35 10
Fax: 948 17 41 49
jazpeitia@cin.es

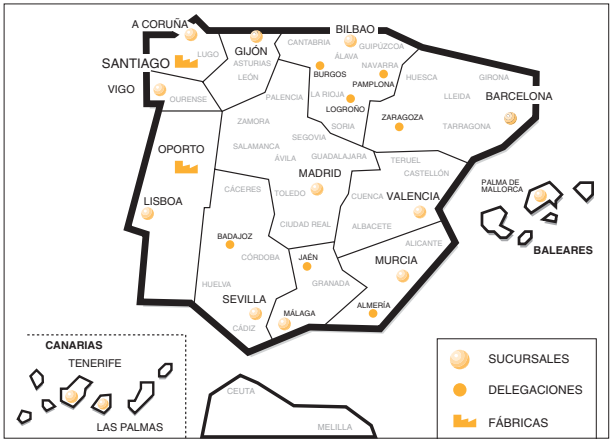
SEVILLA C.P. 41008
Pol. Ind. Store - C/ A-6. Nave 5
Tfnos.: 95 443 64 50 /95 443 58 00
Fax: 95 443 96 93
sevilla@televes.com

TENERIFE C.P. 38108
Avda. El Paso, 25 -
Los Majuelos- La Laguna
Tfnos.: 922 31 13 14 /922 31 13 16
Fax: 922 31 13 33
tenerife@televes.com

VALENCIA C.P. 46022
Plaza Jordi San Jordi s/n
Tfnos.: 96 337 12 01 /96 337 12 72
Fax: 96 337 06 98
valencia@televes.com

VIGO C.P. 36204
Escultor Gregorio Fernández, 5
Tfnos.: 986 42 33 87 /986 42 40 44
Fax: 986 42 37 94
vigo@televes.com

ZARAGOZA C.P. 50002
C/ Monasterio de Alahón 1-3
Tfno.: 976 41 12 73
Fax: 976 59 86 86
zaragoza@televes.com



Televés

Rúa B. de Conxo, 17
15706 SANTIAGO DE COMPOSTELA
Tel. 981 52 22 00 Fax 981 52 22 62
televes@televes.com **www.televes.com**

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Red Comercial Internacional

TELEVES ELECTRONICA PORTUGUESA

MAIA - OPORTO
Via . Dr Francisco Sa Carneiro. Lote 17.
ZONA Ind. MAIA 1. Sector-X MAIA. C.P. 4470 BARCA
Tel/Fax.: 00 351 22 9478900
GSM: 00 351 968581614
televes.pt@televes.com

LISBOA
C.P. 1000 Rua Augusto Gil 21-A.
Tel.: 351 21 7932537 Fax: 351 21 7932418
televes.lisboa.pt@televes.com

TELEVES FRANCE S.A.R.L.
1 Rue Louis de Broglie
Parc d'Activités de l'Esplanade
77400 St Thibault des Vignes FRANCE
Tél.: +33 (0)1 60 35 92 10
Fax: +33 (0)1 60 35 90 40
televes.fr@televes.com

TELEVES ITALIA S.r.l.
S.op.Viale Liguria 24
20068 Peschiera Borromeo (MI) Italia
Tel.: (+39)-0251650604 (RA)
Fax: (+39)-0255307363
televes.it@televes.com

TELEVES MIDDLE EAST FZE
P.O. Box 17199
JEBEL ALI FREE ZONE DUBAI,
UNITED ARAB EMIRATES
Tel.: 9714 88 343 44 Fax: 9714 88 346 44
televes.me@televes.com

TELEVES UNITED KINGDOM LTD
Unit 11 Hill Street, Industrial State
CWMBRAN, GWENT NP44 7PG.
(United Kingdom)
Tel.: 44 01 633 87 58 21
Fax: 44 01 633 86 63 11
televes.uk@televes.com