

783-DVB-T-T2-LAN-Caster configuration

Channel setup

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MediaStar Evolution

DVB-T/T2/C LAN-Caster

Evolution LAN-Caster Admin

DVB T/T2/C

Specification

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Service Info

RS232 Port

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Update Locations

Enablement Code

Set Password

SNMP & Syslog

Email Logs

Event Log

Locator LEDs

Close Help

Channel Setup

Multiplex Selection:

View Network Name Frequency SNR Tuned

●

F - DVB-T474.166 MHz18dB

Scan For New Multiplexes:

Scan

WARNING: Pressing Scan will halt the currently selected streams.

You may set up scanning from the [installation page](#).

Select Channels:

Enabled	Channel Number	Name	CA	Multicast Address	Port	TTL	DSCP
<input checked="" type="checkbox"/>	2	France 2		239.1.2.10	1410	32	CS0
<input type="checkbox"/>	3	F3 Bretagne		239.1.2.11	1410	32	CS0
<input type="checkbox"/>	14	France 4		239.1.2.12	1410	32	CS0
<input type="checkbox"/>	19	France Ô		239.1.2.13	1410	32	CS0
<input checked="" type="checkbox"/>	27	francoinfo		239.1.2.14	1410	32	CS0
<input type="checkbox"/>	35	TVR			1234	32	CS0
<input type="checkbox"/>		+ Entire Multiplex			1234	32	CS0

ApplyCancel

Help

Channel Setup

The RF Multiplex and channel selections are made here.

An "RF Multiplex" is a group of digital TV and radio stations that are "grouped" together and transmitted "over the air" or via a cable at one particular RF frequency.

The LAN-Caster is able to scan all the signals coming from the Aerial and automatically detect the DVB-T/T2/C RF multiplexes that it can "see". When it detects a multiplex, it determines the TV and radio stations that are available and shows them on the channel setup menu.

When the currently tuned mux is selected, an icon will appear to the right of each channel name, indicating the status of the channel:

The channel is unchanged since the last scan.

The channel has been detected since the last scan.

The channel is no longer being transmitted.

A channel scan is advised if either the 'plus' or 'minus' symbols are shown next to a service.

Some TV / radio services are encrypted to protect premium content. The encryption status is shown with the following icons:

The channel is not encrypted.

The channel is encrypted.

The channel is encrypted, and the inserted CAM reports that it can decrypt the channel.

Information for this channel has not yet been received.

Encrypted streams can be passed onto the network without decryption, but IPTV decoders or PC software will have to decrypt the stream before it can be viewed. The LAN-Caster can be fitted with a plug-in CAM module to decrypt the streams before launching them on the network.

A single LAN-Caster unit can select ONE RF multiplex, then extract up to 15 TV or radio services that the user chooses from that multiplex and stream them onto the IP network. If a user wants to see more than 15 TV or radio services from a single multiplex, another LAN-Caster unit will be required. If a user wants to simultaneously access TV channels from two different RF multiplexes, then they require two LAN-Caster modules.

On initial installation, press Scan to search for the RF multiplexes available in the geographical area. The progress of the scanning process is shown - it may take a few minutes. When the scan is complete, the list of available RF

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Installation

The screenshot displays the MediaStar Evolution DVB-T/T2/C LAN-Caster web interface. The top navigation bar includes links for Specification, Status, Channel Setup, Channel List, Installation, Conditional Access, Service Info, RS232 Port, IR Repeat, Network Setup, Update Locations, Enablement Code, Set Password, SNMP & Syslog, Email Logs, Event Log, Locator LEDs, and Close Help. The main content area is titled "Installation" and contains several sections:

- DVB Mode:** Radio buttons for DVB-T (selected) and DVB-C.
- Scan Settings:** Includes Automatic scanning (checked), Country selection (France), Start/End frequency ranges, Bandwidth (8MHz), and Frequency Bands table.
- Advanced Settings:** Includes Default character set (ISO/IEC 8859-1: Latin-1), Enable SAP checkbox, Elementary stream types (Audio, Video, Data, MHEG, Subtitle all checked), Log scan details checkbox, CAM decryption limit (1), and Enable link recovery with Restart after time.

On the right side, there is a "Help" section providing detailed explanations for each setting, such as "DVB Mode", "Scan Settings", "Frequency Bands", "Default Character Set", "Enable SAP", "Elementary stream types", "Log scan details", and "CAM decryption limit". The bottom status bar shows the system clock at 16:49 on 04/11/2019.

Network setup

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MediaStar Evolution
DVB-T/T2/C LAN-Caster

Evolution LAN-Caster Admin
DVB T/T2/C

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Network Setup

DHCP☐

Static IP Address☒ 192.168.60.72

Netmask

Gateway Address

DNS Server Address

Name

Link modeAutonegotiate

Link Speed100BaseTx full duplex

ApplyCancel

Help

Network Setup

The network configuration of the LAN-Caster is set-up here. Please confirm these settings with your network administrator before installing this unit on the network.

DHCP - Setting this option allows the LAN-Caster to contact a DHCP server to automatically obtain an IP address for this unit. Note that if this setting is used, following a LAN-Caster reset, the LAN-Caster may be given an IP address that is different from the one previously used.

Static IP Address - the IP address of the LAN-Caster can be set here, but the address must be obtained from the network administrator.

Netmask - the netmask defines which parts of the IP address are used for address recognition purposes. This should be specified by the network administrator.

Gateway address - A network gateway is a network device that interfaces between different networks. When the LAN-Caster wishes to communicate with a device whose IP address is not on the local subnet, it will pass the packet to the gateway specified here for forwarding onto the destination device.

DNS Server Address - A Domain Name Server is a network device that resolves computer and domain names into IP addresses that are used for network communications. This allows the LAN-Caster to resolve computer names specified here and for software upgrade checks.

Name - Specify the LAN-Caster name here (using characters A-Z, a-z, 0-9, "-"). If DHCP has been selected, this device name is requested from the DHCP server. If the name request is granted, the LAN-Caster can then be referenced using its device name from a browser application (e.g. http://NBC-LAN-Caster).

Link Mode - This allows the network link mode to be specified, and should only be adjusted if there is difficulty establishing a network link with a hub or switch. Ensure all other network settings (IP address, subnet mask, Gateway and DNS server) are correct prior to changing this setting.

Link Speed - This indicates the type of IP communications link that has been established with the network. Although this unit will operate with a 100BaseT link, this network bandwidth is unlikely to carry more than one TV channel.

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04/11/2019

LAN Caster status

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LAN-Caster Status

Part Number783-T2C

NameLAN-Caster-4050777

Serial Number4050777

RF StatusLocked at 474.168 MHz 3/4 QAM64 DVB-T

Signal LevelLow

Signal to Noise Ratio

Received Data Rate24.80 Mbit/s

Transmit Data Rate7.38 Mbit/s

Streaming Services

- France 2: Affaire conclue, tout le monde a quelque chose à vendre (15:15-16:05)
- francoinfo: francoinfo, et tout est plus clair (14:55-15:59)

Last ScanUnited Kingdom bands

Channels Found6 in 1 multiplexes

Programme ChangeNo

CAM StatusUpgrade to support CAM

IP Address192.168.60.72

MAC Address00:07:CE:3D:CF:59

Link Speed100BaseTx full duplex

Temperature44 °C

Software Version3.7.0

Command Set Version2.0

Serial PortNo device connected

IR Data Received0

Help

LAN-Caster Status

This page shows you the current status of the LAN-Caster.

Part Number – Identifies the capabilities of the LAN-Caster. The part number is of the form 783-T2C or 784-S2-C. 783 indicates a DVB-T LAN-Caster, 784 a DVB-S LAN-Caster. The suffix will be -T for a DVB-T capable LAN-Caster, -T2 for a DVB-T2 capable LAN-Caster. The suffix -S2 indicates a DVB-S2 capable LAN-Caster. The suffix -C indicates a DVB-T or DVB-T2 unit that also supports DVB-C. If the LAN-Caster can support an optional CAM module, the further suffix -CI will be applied.

Name – This is the device name of the LAN-Caster. For easy identification, we suggest that you give the LAN-Caster the same device name as it's video source material. If you are using DHCP to assign an IP address to this unit, the network device name used will be the LAN-Caster name (assuming the DHCP server allows the specified name). The LAN-Caster configuration screens can then be accessed using the LAN-Caster name in a web browser application (e.g. http://BBC-LAN-Caster).

Serial Number – This is unique to this particular unit. You should have this number available when communicating any query to your reseller or Cabletime.



RF Status – Indicates the RF signal status.

Signal Level – This is the level of the RF input signal. The vertical markings within the gauge show various operating limits. When these limits are exceeded, a warning message is shown and no picture, or picture blocking, may occur.
If the RF signal level through is being used, ensure all units in the chain are receiving an acceptable RF signal level. The warning 'Too high for passthrough' indicates that the RF signal level is too high to be looped through from one LAN-Caster unit to the next. In this case, the signal should be attenuated, or a separate RF splitter should be used to input RF into each of the LAN-Caster blades.

Signal to Noise Ratio – This is the signal to noise ratio of the RF input signal. The vertical marking within the gauge shows the minimum operating limit, below which picture blocking or no picture might occur.


Received Data Rate – This is the data rate of the full RF multiplex that is selected.

Transmit Data Rate – This is the total outgoing network data rate. This may be more or less than the Received Data Rate, depending upon how many channels are being streamed.

Streaming Services – Details the streaming services that are active. Channels marked with a  symbol have been detected since the last scan. Channels marked with a  symbol are no longer being transmitted.

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16:45
04/11/2019