

FREE-TO-GUEST (FTG) CARD | HCS1410



## Free-To-Guest (FTG) Card

for use with Pro:Idiom TV Receivers  
in a Free-To-Guest Application

### PRO:IDIOM DECRYPTION

Provides forensic marking for Pro:Idiom encrypted programs which enables Pro:Idiom decryption in the TV/STB

### CHANNEL MAPPING

Provides a way to map logical channel numbers to physical or virtual channel settings

### DESIRED INSTALLER MENU SETTINGS

Easily copied to many TV/STBs

### DATE AND TIME SETTINGS

Provides an easy means to set the date and time of the TV/STB

### 1-YEAR LIMITED WARRANTY

(parts/labor)

### COMPATIBLE LG/ZENITH TV/STBs\*

#### Set-Top-Boxes

HCS5610

HCS5650

#### Plasma Displays

42PX7DC

42PX8DC

#### LCD Displays

L20V54S

20LH1DC1

L26W56

L26W58

26LH1DC1/3/4

32LC5DC/DCB/DCS

32LH1DC1

32LX5DC/DCS

37LC5DC/DCB

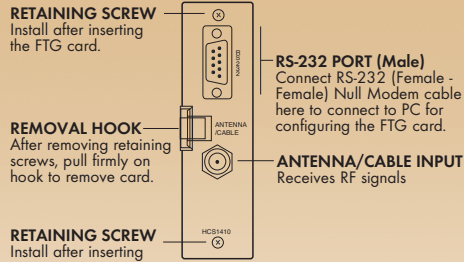
42LC5DC

42LB5DC

\*NOTE: The FTG card is also fully compatible with displays using a LST-4100A control box. LST-5600A PTC V1.00.001 needs to be upgraded to a later version to be fully compatible. For products that are not listed, the Configuration Application will only be able to make changes to a limited number of Installer Menu items. It is recommended that Installer Menu items be set on the TV/STB using the IR remote control. These products will, however, be able to accept the channel map and the date and time from the Configuration Application.

## HCS1410 FREE-TO-GUEST (FTG) CARD

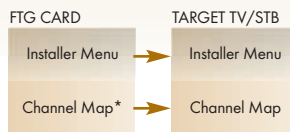
## OVERVIEW



**figure 1.** DATA FLOW-BETWEEN FTG CARD AND TARGET TV/STB Conditions of HCS1410: Factory-fresh or previously used in a different model TV/STB.



**figure 2.** DATA FLOW-BETWEEN FTG CARD AND TARGET TV/STB Conditions of HCS1410: Previously used in a TV/STB of the same model.



The HCS1410 Free-To-Guest card provides LG/Zenith Pro:Idiom™ TV or Set-Top-Box (STB) units with a way to map logical channel numbers to physical or virtual channels. The goal is to set up a TV/STB with the desired Installer Menu settings before inserting a blank HCS1410. When the blank card is inserted into the Multiple Protocol Interface (MPI) slot, the Installer menu settings are copied into the card. The HCS1410 can then be configured with the desired channel map. If multiple TV/STBs of the same model are to be configured with FTG cards, this configured card may be removed and inserted into an identical TV/STB, which will then be ready for operation.

#### DEFAULTS AS SHIPPED

The HCS1410 is shipped with no mapped channels and with no default Installer Menu. When the card is installed in the MPI card slot of the target TV/STB, the current Installer Menu settings of the TV/STB are replicated into the HCS1410 (see figure 1). From then on, Installer Menu items on the card can only be changed by using the FTG Configuration Application.

#### SAME MODEL

By setting the TV/STB with the desired Installer Menu settings before inserting a factory-fresh HCS1410, once inserted, this card can now be used to set the Installer Menu items of other TV/STBs of the same model (see figure 2).

#### DIFFERENT MODEL

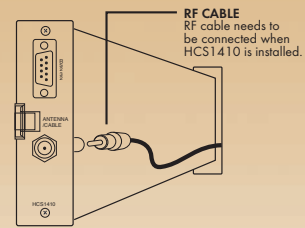
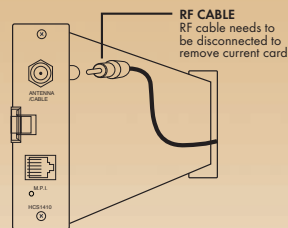
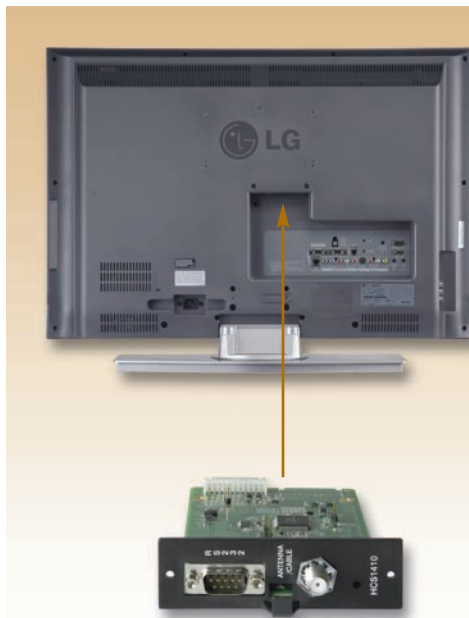
An HCS1410 that was previously used on a different model TV/STB will not carry over the Installer Menu settings of the previous product into the target TV/STB. Rather, it will load the settings of the target TV/STB into the HCS1410 (see figure 1).

As mentioned, the HCS1410 as shipped has no channels mapped. Assuming that the current Installer Menu settings allow channel changes, numeric entries are interpreted as direct tune to channels. However, decryption of encrypted channels is not possible at this time. The HCS1410 must be configured first.

#### CONFIGURE HCS1410

Use FTG Configuration Application to configure the HCS1410. To download the Free-To-Guest application software and instruction manual, please visit this link.

URL: [www.LGcommercial.com/hospitality](http://www.LGcommercial.com/hospitality)  
Login: lgclient  
Password: HCS1410



#### REMOVAL INSTRUCTIONS (current card)

1. Remove both retaining screws and partially pull out current card from MPI slot so that the RF cable can be disconnected.
2. Disconnect RF cable and totally pull out the current

#### INSTALLATION INSTRUCTIONS (HCS1410 card)

3. Partially slide the HCS1410 FTG Card into the MPI slot.
4. Connect the RF cable.
5. Fully slide the HCS1410 in so that the card seats securely into the backplane connector.
6. Install retaining screws.
7. Wait at least 40 seconds after AC power is applied to the system before turning the unit ON.
8. The HCS1410 "Banner" will appear momentarily on the TV screen, the first time the system is turned ON after AC power is applied, displaying the firmware version.

[www.LGcommercial.com](http://www.LGcommercial.com)

zenith 

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