



Institutional Television

www.philipsitv.com

PL, TL, PC,
TC, OCC,
CH1, HC

Directions For Use




Let's make things better.

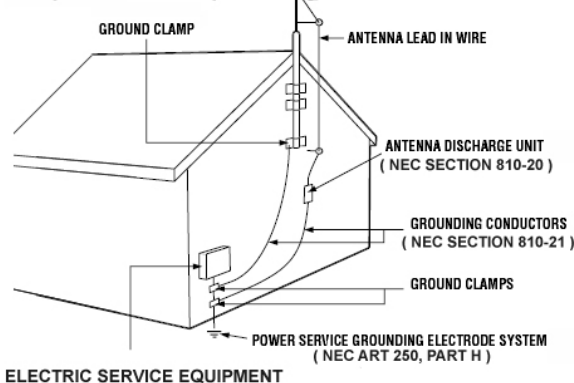


PHILIPS


IMPORTANT SAFETY INSTRUCTIONS**Read before operating equipment**


1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with a dry cloth.
7. Do not block any of the ventilation openings. Install in accordance with the manufacturers instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and third grounding prong. The wide blade or third prong are provided for your safety. When the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12.  Use only with a cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
15. This product may contain lead and mercury. Disposal of these materials may be regulated due to environmental considerations. For disposal or recycling information, please contact your local authorities or the Electronic Industries Alliance: www.eiae.org
16. Damage Requiring Service - The appliance should be serviced by qualified service personnel when:
 - A. The power supply cord or the plug has been damaged; or
 - B. Objects have fallen, or liquid has been spilled into the appliance; or
 - C. The appliance has been exposed to rain; or
 - D. The appliance does not appear to operate normally or exhibits a marked change in performance; or
 - E. The appliance has been dropped, or the enclosure damaged.
17. Tilt/Stability - All televisions must comply with recommended international global safety standards for tilt and stability properties of its cabinet design.
 - Do not compromise these design standards by applying excessive pull force to the front, or top, of the cabinet which could ultimately overturn the product.
 - Also, do not endanger yourself, or children, by placing electronic equipment/toys on the top of the cabinet. Such items could unsuspectingly fall from the top of the set and cause product damage and/or personal injury.
18. Wall or Ceiling Mounting - The appliance should be mounted to a wall or ceiling only as recommended by the manufacturer.
19. Power Lines - An outdoor antenna should be located away from power lines.
20. Outdoor Antenna Grounding - If an outside antenna is connected to the receiver, be sure the antenna system is grounded so as to provide some protection against voltage surges and built up static charges. Section 810 of the National Electric Code, ANSI/NFPA No. 70-1984, provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding connectors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode. See Figure below.
21. Object and Liquid Entry - Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.
22. Battery Usage CAUTION - To prevent battery leakage that may result in bodily injury, property damage, or damage to the unit:
 - Install all batteries correctly, with + and - aligned as marked on the unit
 - Do not mix batteries (old and new or carbon and alkaline, etc.)
 - Remove batteries when the unit is not used for a long time.

Note to the CATV system installer: This reminder is provided to call the CATV system installer's attention to Article 820-40 of the NEC that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.

EXAMPLE OF ANTENNA GROUNDING AS PER NEC**NATIONAL ELECTRIC CODE****ADDITIONAL NOTE FOR "HC" MODELS**


Installer: This product is not provided with a pendant control; however, it is expected that this institution (or hospital) will provide one for attachment to the appropriate receptacle on the product. As part of the installation, examine the pendant control to determine whether a marking similar to the one below appears on it:


 **"CAUTION - Risk of fire if used in oxygen-enriched atmosphere - return to hook or holder after use."**

 If the above notice is not provided on the pendant control, remove the label provided with these instructions and attach it to the pendant control." A separate adhesive-backed label stating **"CAUTION" "Risk of fire if pendant control is used in oxygen-enriched atmosphere. Keep pendant control away from oxygen equipment,"** can be affixed by the installer to the pendant control if necessary.

**Know these
safety symbols**



 This "bolt of lightning" indicates uninsulated material within your unit which may cause an electrical shock. For the safety of everyone in your household, please do not remove product covering.

 The "exclamation point" calls attention to features for which you should read the enclosed literature closely to prevent operating and maintenance problems.

WARNING: TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE.

CAUTION: To prevent electric shock, match wide blade of plug to wide slot, and fully insert.

ATTENTION: Pour éviter les chocs électriques, introduire la lame la plus large de la fiche dans la bome correspondante de la prise et pousser jusqu'au fond.

Philips Institutional TV Software

Your Philips Institutional Television can be configured to operate in either "Consumer" or "Commercial" operational modes.

Commercial Mode: Your Philips Institutional Television is configured at the Factory to operate in Commercial mode. When the television is in Commercial mode, access to its operation from its front panel controls or from a guest-mode remote can be limited, depending upon the settings of the Institutional TV features. For examples, the unit's front panel controls can be "locked-out" (rendered inoperable), only certain channels can be selected, and/or the volume can be limited to a given range.

Consumer Mode: When in the Consumer mode, the unit operates as a standard TV, bypassing the Institutional Television feature set, thus allowing normal initial power ON, channel selection, and volume control (as well as a variety of selectable Menu features). When the TV is in Consumer mode, Philips RC-5 system 0 (guest-mode) remotes, such as the RC2524BK and the RL9820BK (optional accessories) can access the Consumer-mode Main Menu, and configure the television to the full extent offered in this mode. Guest-mode 21-button remotes such as the RC2524BK use the Menu button to access the Consumer menu. Guest-mode 20-button remotes such as the RL9820BK, which do not have a Menu button, use the Sleep button to access the Consumer menu. Simultaneously pressing the front panel's Volume - and Volume + buttons also invokes the Consumer menu.

Identifying the Operational Mode: To identify the television's operational mode, a system 7 (commercial setup mode) master setup remote (RG4172BK or RC2573GR, optional accessory) must be used. With the RG4172BK or RC2573GR *in setup mode* (press TV SETUP on the RG4172BK or set switch to SETUP on the RC2573GR), press **Recall**. The following information will appear on-screen:

STATUS ITEM	STATUS DATA	MEANING
SYSTEM STATUS (LO1ITV-US4PV)		Status information title
MODE	COMMERCIAL / CONSUMER	Television's operational mode
CHANNEL	CHANNEL / INPUT (CHANNEL, INPUT)	Currently-tuned channel
DCM	OFF / ON	Data communications module offline / online
CODES	211 222 001 035	Internal data for factory / service use
SIGNAL	TUNED / NOT TUNED	Signal present / absent
OP HOURS	0031h	Operational hours. Number of cumulative hours unit has been operated (hexadecimal)
ERRORS	0 0 0 0 0	Internal data for factory / service use
VERSION	3.3	Television software version.

Changing Operational Modes: To change the television's mode between Consumer and Commercial modes, a system 7 (commercial setup mode) master setup remote must be used. With the RG4172BK or RC2573GR *in setup mode* (press TV SETUP on the RG4172BK or set the switch to SETUP on the RC2573GR), enter the following keystroke sequence: **0 2 4 9 9 5 Menu**. Only the RG4172BK or RC2573GR, when in setup mode, can change the television's mode between Consumer and Commercial, and provide complete access to the television's Institutional Features. The RG4172BK or RC2573GR can be set to operate in either its master setup remote mode, or in guest-mode. The RG4172BK / RC2573GR guest mode facilitates testing the desired Institutional / Commercial configuration.

SETTING THE INSTITUTIONAL TV OPERATIONAL MODE

To change the operational mode of the Philips Institutional TV, use the RG4172BK or RC2573GR *in setup mode* (press TV SETUP on the RG4172BK), and enter the following keystroke sequence: **0 2 4 9 9 5 Menu**. Select the desired mode from the Operational Mode menu. **IMPORTANT NOTE: IF YOU CHANGE THE OPERATIONAL MODE TO CONSUMER MODE, YOU MUST POWER THE TELEVISION OFF AND BACK ON TO COMPLETE THE MODE CHANGE.**

NOTE: ONCE THE TELEVISION IS IN CONSUMER MODE, DO NOT USE THE SETUP REMOTE TO ACTIVATE COMMERCIAL FEATURES. OTHERWISE, THE COMMERCIAL FEATURES WILL AFFECT CONSUMER OPERATION. IT WILL THEN BE NECESSARY TO PLACE THE TELEVISION BACK INTO COMMERCIAL MODE, THEN INTO CONSUMER MODE, AND THEN POWERED OFF AGAIN TO PROPERLY PLACE THE TELEVISION BACK INTO CONSUMER MODE.

CURRENT MODE	COMMERCIAL / CONSUMER
CONSUMER MODE:	PRESS 1
COMMERCIAL MODE:	PRESS 2
EXIT WITHOUT CHANGING MODES:	PRESS 0

PHILIPS INSTITUTIONAL TV REMOTE CONTROLS

The following remote controls (optional accessories) can be used with Philips Institutional televisions. This list is by no means all-inclusive. Other Philips and third-party remote controls not listed here may also be compatible.

RC2524BK

Guest Remote

29-button guest remote with menu button, additional features (VCR control, etc.)



RL9820B

Guest Remote

20-button guest remote.



RG4172BK

Setup Remote

Master setup remote. Required to change operational modes and access Institutional features. Press TV SETUP to place remote in SETUP mode.



RC2573GR

Setup Remote

Future version of master setup remote. Fully functionally equivalent to RG4172BK. Place switch in SETUP position to place remote in setup mode.



MENU ITEM SUMMARY

The following table summarizes the Philips Institutional Television menu items that are available in the prefixed models indicated. Menu items indicated with an "x" are available in the respective models. Items in **bold** are **commercial features**. **Commercial menu item features only appear when the television is in Commercial Mode.**

MENU ITEM	OPTIONS	PL / TL	PC, TC, OCC, CH1	HC
LANGUAGE	ENGLISH/ESPAÑOL/FRANÇAIS	x	x	x
CHANNEL INSTALL	>	x	x	x
CABLE TUNING	ON / OFF	x	x	x
CURRENT RING	1 / 2 / 3 / 4			x
BRIGHTNESS	---- ---- 31	x	x	x
COLOR	---- ---- 31	x	x	x
CONTRAST	---- ---- 31	x	x	x
SHARPNESS	---- ---- 31	x	x	x
TINT	---- ---- 0	x	x	x
NOISE REDUCTION	ON/OFF	x	x	x
SOUND MODE	MONO / STEREO			
SAP	OFF / NO SAP / ON			
AUDIO OUT	FIXED / VARIABLE			
BALANCE	---- ---- 0			
TREBLE	---- ---- 31			
BASS	---- ---- 31			
INCRD STEREO	ON / OFF			
AVL	ON / OFF	x	x	x
VOLUME BAR	ON / OFF	x	x	x
MIN VOLUME	---- ---- 0	x	x	x
MAX VOLUME	---- ---- 63	x	x	x
SWITCH ON VOLUME	---- ---- 0 - 63 / STANDARD	x	x	x
SWITCH ON CHANNEL	Ch. 1-125 / FRONT / AUX / S-VIDEO / CVI / STANDARD	x	x	x
POWER ON	STANDARD / FORCED	x	x	x
CHANNEL DISPLAY	NUMBER/LABEL/ALL/NONE	x	x	x
KEYBOARD LOCK	ON/OFF	x	x	x
ESP	1-99 / OFF	x	x	x
AUDIO/MUTE	OFF / BLACK / BLUE	x	x	x
EXT AUD / VID OUT	ON / OFF			
WELCOME MESSAGE	>	x	x	x
CHANNEL GUIDE	POWER ON / OFF / ON	x	x	x
REMINDER	ON / OFF	x	x	x
3 DIGIT ENTRY	ON / OFF	x	x	x
A/A/V SWITCH	ON / OFF	x	x	x
CC	OFF / CC-1 / CC-2 / CC ON MUTE	x	x	x
SAVE CC	ON / OFF	x	x	x
V-CHIP MENU ITEM	ON / OFF	x	x	x
SAVE V-CHIP	ON / OFF	x	x	x
V-CHIP SETUP	>	x	x	x
SLEEPTIMER	OFF / 15 / 30 / 45 / 60 / 90 / 120 / 180 / 240	x	x	x
SECURITY	STANDARD / HIGH	x	x	x
EXIT	>	x	x	x

ITV Menu Items & Availability In Commercial Mode (Features Menu)

The following menu is available on your Philips Institutional television when it is in Commercial mode. The Features Menu items are limited to the following when pressing **Menu** or **Sleep** on a guest-mode remote (or RG4172BK master setup remote in guest mode), or when pressing the front panel keyboard's VOLUME + and VOLUME - simultaneously (provided the television's front panel keyboard has not been locked out, see KEYBOARD LOCK).

FEATURES MENU	
CC	OFF/CC-1/CC-2/CC ON MUTE
SLEEPTIMER	OFF/15/30/45/60/90/120/180/240
V-CHIP SETUP (<i>see V-CHIP MENU ITEM</i>)	>
EXIT	>

Notes:

> **Regardless of whether the television is in Consumer or Commercial mode, if you press *Menu* on an RG4172BK or RC2573GR master setup remote when the setup remote is in setup mode, the television's SETUP MENU described earlier will appear.**

> Certain features that are unique to commercial setup, such as POWER ON FORCED and KEYBOARD LOCK will **remain in effect immediately after the television is placed in Consumer mode IF THE TELEVISION IS NOT FIRST POWERED OFF**. Such features are denoted with a "*" in the menu item summary and descriptions.

> The limited Features Menu appears when the television is in Commercial mode and a guest remote (or setup remote in guest mode) **Menu** or **Sleep** button is pressed, or when the television's front panel keyboard VOLUME - and VOLUME + are pressed simultaneously (provided the television's front panel keyboard is not locked out, see KEYBOARD LOCK).

Front Panel Controls*

Refer also to the sections in this documentation regarding the use of the front panel controls, specifically front keyboard lock-out*.

Philips Institutional Televisions typically have a front panel equipped with power on/off, volume, and channel controls. Channel - and Channel + normally change the television's channel or input to any of the channels or inputs currently in the Channel Ring (see *Channel Ring*). Volume + and Volume - normally control the television's audio volume. However, simultaneously pressing Volume + and Volume - invokes a menu. This will be either the Features Menu (see *Features Menu*, if the television is in Commercial Mode, or the Main Menu, if the television is in Consumer Mode. Once either menu is active, Channel + and Channel - navigate vertically to select a menu item, and Volume + and Volume - change the currently-selected menu item.

*** NOTE: FRONT PANEL CONTROLS ARE INOPERATIVE IF THE FRONT KEYBOARD HAS BEEN LOCKED OUT. SEE FRONT KEYBOARD LOCKOUT.**

HOW TO USE THE ON-SCREEN MENU

This section explains the Philips Institutional Television's menu items. As described previously, **the availability of, and options within each item depend upon the television's specific model and current operational mode (Consumer or Commercial) and the type of remote control command (guest or setup) issued.**

LANGUAGE

SETUP x CONSUMER x FEATURES MENU _

An on-screen LANGUAGE option is available. You may set the TV's onscreen menu to appear in either English, French, or Spanish text. With the Main Menu onscreen press the Menu button repeatedly, or use the Cursor (s) Up and Down (t) buttons, to select LANGUAGE with the TV's highlight control bar. Press the Cursor Right (+>) or Left (<-) button on the remote to select English, French (FRANCAIS), or Spanish (ESPANOL). Text in the onscreen Menu will appear in the selected language. Please note that the Language control only makes the TV's on-screen Menu items appear in the respective language text. It does not change the language of other onscreen text features, such as Closed Captioning.

CHANNEL INSTALL

SETUP x CONSUMER x FEATURES MENU _

When highlighted, use Channel Up/Down, or enter the desired channel number using the Number buttons you wish to edit. The following control items, contained within the Channel Installation menu, will affect the chosen channel.

CHANNEL INSTALLATION	
CHANNEL	FRONT / AUX / SVIDEO / CVI / 1 - 125
CHANNEL RING <i>(NON-HC MODELS)</i>	SAVED / DELETED
CURRENT RING <i>(HC MODELS ONLY)</i>	1 / 2 / 3 / 4
INPUT	(ANTENNA) / FRONT / AUX / SVIDEO / CVI
LABEL	(-----)
VIDEO BLANK	OFF / ON
AUDIO BLANK	OFF / ON
AUTO PROGRAM	>
EXIT	>

CHANNEL RING *(NON-HC MODELS ONLY)* - When highlighted, press the Cursor Right (+>) or Left (<-) buttons on the remote to choose SAVED (or DELETED). When SAVED is selected, the channel will remain or be added to the TV's program memory. When DELETED is selected, the channel will be dropped from the TV's program memory and will not appear when the TV channels are scanned (using the Channel +,- buttons).

INPUT - When highlighted, press the Cursor Right (+>) or Left (<-) buttons on the remote to select ANTENNA, FRONT, AUX, S-VIDEO, or CVI input signal options. The Input control directs the TV to select the specific indicated input whenever this channel is tuned.

LABEL - When highlighted, press the Cursor Right (+>) button on the remote to select the first character space area. Then press the Cursor Up and Down buttons to scroll through the list of available letter characters, numbers, or symbols provided for your labeling use. Press the Cursor Right (+>) button to highlight the next character space and continue to repeat the process until the complete label or channel title has been entered. The Channel Label will appear in the corner of the TV screen beside the selected channel number.

VIDEO BLANK - When highlighted, press the Cursor Right (+>) or Left (<-) buttons to turn the VIDEO BLANK control ON (or OFF). When ON, no video will be shown when this specific channel is tuned. When OFF, normal viewing of video for this specific channel will take place.

AUDIO BLANK - When highlighted, press the Cursor Right (+>) or Left (<-) buttons to turn the AUDIO BLANK control ON (or OFF). When ON, no sound will be heard through the TV speakers when the channel is tuned. When OFF, normal sound playback will be heard for the selected channel.

CHANNEL - When highlighted, use Channel Up/Down, or enter the desired channel number using the Number buttons you wish to edit. The following control items, contained within the Channel Installation menu, will effect the chosen channel.

AUTO PROGRAM - When highlighted, press the Cursor Right (+>) or Left (<-) buttons to begin an automatic channel search for all available received signal programs. Any channels found will be SAVED in the TV's program memory.

* COMMERCIAL FEATURE

How To Use The On-Screen Menu (CONTINUED)**CABLE TUNING (OFF / ON)**SETUP x CONSUMER x FEATURES MENU _

Your Philips television can be configured to operate in either Cable TV or broadcast / off-air tuning modes. In other words, the TV must be configured depending upon whether a Cable TV signal or a normal antenna signal is applied to its 75-ohm ANT/CABLE plug.

With the Menu onscreen, press the Menu button repeatedly, or use the Cursor Up and Down buttons, to select CABLE TUNING with the TV's highlight control bar. Press the Cursor Right or Left button on the remote to select ON if you DO have Cable TV connected to the TV, and Channels 1-125 may then be selected. Or, select OFF if you have an Antenna connected to the TV, and then only channels 2-69 may be selected. Press STATUS/EXIT to remove the on-screen menu.

CURRENT RING (HC MODELS ONLY)SETUP x CONSUMER _ FEATURES MENU _

Highlight CURRENT RING, then press the < or > button to select 1 through 4. There are four custom CHANNEL RINGS that can be setup within the CHANNEL INSTALL feature.

BRIGHTNESS, COLOR, CONTRAST, SHARPNESS, TINTSETUP x CONSUMER x FEATURES MENU _

Use the cursor-up and cursor-down buttons to select the picture parameter you wish to adjust. Use cursor left (<-) and cursor right (+>) to adjust the picture parameter.

NOISE REDUCTION (ON/OFF)SETUP x CONSUMER x FEATURES MENU _

This feature reduces video noise in the displayed picture. Effectively reduces noise while having maximum peaking in the bright parts of the picture. Differs from reducing Sharpness (see **Sharpness**) in that noise is reduced, but picture detail is preserved.

SOUND MODE (MONO / STEREO)SETUP x CONSUMER x FEATURES MENU _

Use cursor left (<-) and cursor right (+>) to select monaural or stereo audio mode.

SAP (OFF / NO SAP / ON)SETUP x CONSUMER x FEATURES MENU _

Second Audio Program (SAP) is part of the stereo broadcast system. Sent as an additional audio channel SAP can be heard apart from the current TV program sound. TV stations are free to use SAP for any number of purposes, but may be used for foreign language translations of TV shows (or for weather and news bulletins). If a SAP signal is not present with a selected program the SAP option cannot be selected

AUDIO OUT (FIXED / VARIABLE)SETUP x CONSUMER x FEATURES MENU _

When the FIXED audio out option is selected, the left and right audio outputs are fixed at a nominal 0.5vrms signal level, and are unaffected by the television's volume control setting. When the VARIABLE audio out option is selected, the left and right audio outputs are controlled by the television's volume control setting, and variable between 0.2vrms and 2vrms nominal signal levels.

BALANCE / TREBLE / BASS (----|||| nn)SETUP x CONSUMER x FEATURES MENU _

Use the cursor-up and cursor-down buttons to select the audio parameter you wish to adjust. Use cursor left (<-) and cursor right (+>) to adjust the audio parameter.

INCREDIBLE STEREO (ON / OFF)SETUP x CONSUMER x FEATURES MENU _

Processes the left and right audio channels to achieve a perceived increase in channel separation and spatial effect. Use cursor left (<-) and cursor right (+>) to turn this feature on and off.

AVL (ON / OFF)SETUP x CONSUMER x FEATURES MENU _

Automatic volume leveling restricts the volume variation of audio signals to a relatively small range by boosting low-level signals and reducing louder signals, thus maintaining a consistent volume level. Use cursor left (<-) and cursor right (+>) to turn this feature on and off.

* COMMERCIAL FEATURE

How To Use The On-Screen Menu (CONTINUED)

MIN VOLUME / MAX VOLUME* (VOL |||||---- nn) SETUP x CONSUMER _ FEATURES MENU _
Applicable / available only to the Commercial Mode / setup menu. Limits the range throughout which the television's volume can be adjusted by a guest mode remote control, or by the television's front panel keyboard (provided the front panel keyboard has not been locked out, see KEYBOARD LOCK).

VOLUME BAR (ON / OFF) SETUP x CONSUMER _ FEATURES MENU _
The Volume Bar feature, when set to ON, causes a volume change verification (VOL |||||---- nn, where nn equals some numeric value between 0 - 63) to appear on-screen whenever the volume is adjusted

SWITCH ON VOLUME* (|||||---- 0 - 63 / STANDARD) SETUP x CONSUMER _ FEATURES MENU _
Applicable / available only to the Commercial Mode / setup menu. This feature determines the television's volume whenever it is first turned on. A value (0 - 63) can be specified, or default to the television's volume when last turned off (STANDARD).

POWER ON* (STANDARD / FORCED) SETUP x CONSUMER _ FEATURES MENU _
Applicable / available only to the Commercial Mode / setup menu. POWER ON FORCED means that the television will automatically power-up whenever it is supplied with mains power. When POWER ON is set to FORCED, the television will remain powered on long as mains power is applied, and **cannot be turned off by a guest-mode remote, or by the front panel keyboard (even if it is not locked out)**. POWER ON STANDARD means that the television will not automatically power-on when mains power is applied.

CHANNEL DISPLAY* (NUMBER / LABEL / ALL / NONE) SETUP x CONSUMER _ FEATURES MENU _
Applicable / available only to the Commercial Mode / setup menu. CHANNEL DISPLAY determines the channel information (NUMBER and / or LABEL), if any, that is displayed briefly whenever the channel is changed. Also see LABEL in CHANNEL INSTALLATION. Also see REMINDER.

KEYBOARD LOCK* (ON / OFF) SETUP x CONSUMER _ FEATURES MENU _
Applicable / available only to the Commercial Mode / setup menu. When KEYBOARD LOCK is OFF, the television's front panel keyboard will be accessible, but only to the extent depending upon the MIN VOLUME, MAX VOLUME, POWER ON, and CHANNEL INSTALLATION. KEYBOARD LOCK, when ON, completely disables the television's front panel keyboard (Power, Volume -, Volume +, Channel -, Channel +).

ESP* (OFF / 1 - 99) SETUP x CONSUMER _ FEATURES MENU _
Applicable / available only to the Commercial Mode / setup menu. ESP (Energy Savings Programmability), if not OFF, determines the number of hours (1 - 99) the television will remain powered on after the most recent front panel keyboard or remote control command. **NOTE: If POWER ON (see POWER ON STANDARD / FORCED) is set to FORCED, ESP has no effect.**

AUDIO / VIDEO MUTE (OFF / BLACK / BLUE) SETUP x CONSUMER x FEATURES MENU _
AUDIO / VIDEO MUTE, also known as "A/V muting" eliminates annoying "static" and "snow" when no tuner or external signal is present. When set to BLACK or BLUE, sets the screen set to a solid black or blue display, respectively, and forces audio to be muted, when no valid tuner / video signal is present at the selected source.

EXTERNAL AUD/VID OUT (OFF / ON) SETUP x CONSUMER x FEATURES MENU _
To enable the Monitor Out jacks on the rear jack panel, set EXTERNAL AUD/VID to ON. When the Monitor Out jacks are enabled, they provide the currently-selected source (tuner or video) signals, **UNLESS CVI (COMPONENT VIDEO INPUT) VIDEO IS SELECTED. IF CVI is the selected input, no video signal will be present at the Monitor Out video jack.** When EXTERNAL AUD/VID is set to OFF, no signals will be present at the Monitor Out jacks.

* COMMERCIAL FEATURE

HOW TO USE THE ON-SCREEN MENU (CONTINUED)**WELCOME MESSAGE* (>)**SETUP x CONSUMER _ FEATURES MENU _

Applicable / available only to the Commercial Mode / setup menu. The Welcome Message feature makes it possible for an on-screen message to appear whenever the television is first turned on. The message will remain until any front-panel keyboard command or remote control command is received. The Welcome Message sub-menu is shown below.

WELCOME MESSAGE	
MESSAGE	OFF / ON
LINE 1	(20 characters)
LINE 2	(20 characters)
CLEAR	>
EXIT	>

Use cursor-up and cursor-down to select the Welcome Message sub-menu item. While Line 1 or Line 2 of the Welcome Message message is highlighted, use cursor-left and cursor-right to enter message-edit mode and position the cursor within the line of the message content. Use cursor-up and cursor-down to change the character at the current position. Press RECALL on the Setup Remote to exit the editing mode and resume Welcome Message sub-menu item selection.

> NOTE: WELCOME MESSAGE, when ON, overrides CHANNEL GUIDE at power-on, if the latter has been enabled.

CHANNEL GUIDE* (OFF / ON / POWER ON)SETUP x CONSUMER _ FEATURES MENU _

Applicable / available only to the Commercial Mode / setup menu. CHANNEL GUIDE provides an on-screen list of all channels / inputs currently saved in the channel ring (see CHANNEL INSTALL) and their corresponding labels (see CHANNEL INSTALL), for any channels / inputs for which labels have been assigned. When CHANNEL GUIDE is ON, the channel guide appears when a remote control CH GDE command is received. When CHANNEL GUIDE is set to POWER ON, the channel guide appears when the television is first powered on, as well as when a remote control CH GDE command is received. When CHANNEL GUIDE is OFF, the channel guide never appears.

REMINDER* (OFF / ON)SETUP x CONSUMER _ FEATURES MENU _

The REMINDER feature, when ON, causes the television to constantly display the currently-tuned channel / input and/or its label (if one has been assigned, see CHANNEL INSTALLATION) in the upper-left-hand corner of the screen. When REMINDER is OFF, the channel number / label will only appear briefly immediately after channel / input is selected.

NOTE: The REMINDER feature is available in the television's commercial-mode TV SETUP and CONSUMER menus.

3-DIGIT ENTRY* (OFF / ON)SETUP x CONSUMER _ FEATURES MENU _

Applicable / available only to the Commercial Mode / setup menu. Determines whether two or three remote-control digit commands initiate a channel-tune command. When OFF, tuning will occur upon the reception of two remote-control digit commands. When ON, tuning will occur upon the reception of three remote-control digit commands.

* COMMERCIAL FEATURE

A/CH A/V SWITCH* (OFF / ON)SETUP x CONSUMER _ FEATURES MENU _

Available in / applicable to Commercial Setup Menu / Commercial Mode. Alternate channel Audio / Video switching. When A/CH A/V SWITCH is OFF, the remote-control A / CH (alternate channel) command causes the television to select the channel / input that was selected just prior to the currently-selected one. When A/CH A/V SWITCH is ON, the remote-control A / CH (alternate channel) command causes the television to successively switch between all A/V inputs currently saved in the Channel Ring and the television's most-recently-tuned RF channel.

CC (OFF / CC-1 / CC-2 / CC ON MUTE)SETUP x CONSUMER x FEATURES MENU x

This feature activates closed-captioning mode 1 or mode 2 when CC-1 or CC-2, respectively, is selected. When CC ON MUTE is selected, CC-1 is activated when the television receives a remote-control MUTE command.

SAVE CC* (OFF / ON)SETUP x CONSUMER _ FEATURES MENU _

Applicable / available only to the Commercial Mode / setup menu. When SAVE CC is OFF, the television will always power-up with closed-captioning turned off. When SAVE CC is ON, the television "remembers" the most recently-selected closed-captioning mode. In other words, the television will always power-up with closed-captioning set to the mode to which it was last set.

V-CHIP MENU ITEM * (OFF / ON)SETUP x CONSUMER _ FEATURES MENU _

Available in / applicable to Commercial Setup Menu / Commercial Mode. Determines whether the V-CHIP SETUP menu item appears when the television is in COMMERCIAL MODE and is displaying the FEATURES MENU (see COMMERCIAL MODE / FEATURES MENU).

SAVE V-CHIP (OFF / ON)SETUP x CONSUMER _ FEATURES MENU _

Available in / applicable to Commercial Setup Menu / Commercial Mode. When SAVE V-CHIP is ON, the television "remembers" the most recently-selected V-CHIP configuration. In other words, the television will power-up with V-CHIP in the state in which it was last configured.

V-CHIP SETUP (>)SETUP x CONSUMER x FEATURES MENU x

V-Chip setup menu.

SLEEPTIMER (OFF / 15 / 30 / 45 / 60 / 90 / 120 / 180 / 240)SETUP x CONSUMER x FEATURES MENU x

Determines the amount of time, in minutes, subsequent to the selection of the specified interval, that the television will remain powered-on before automatically powering off.

SECURITY * (STANDARD / HIGH)SETUP x CONSUMER _ FEATURES MENU _

Available in / applicable to Commercial Setup Menu / Commercial Mode. When SECURITY is set to STANDARD, access to the television's Commercial Setup Menu is possible with a guest-mode remote control, by means of the following remote-control keystrokes: **3 1 9 7 5 3 MUTE**.

! NOTE: The SECURITY item itself does not appear when the Commercial Setup Menu is invoked in this manner. **This feature, as with all Commercial Setup features, can only be changed with a Master Setup Remote.**

* COMMERCIAL FEATURE

CLEANING & CARE

- To avoid possible shock hazard, please be sure that the television is unplugged from the electrical outlet before cleaning.
- When cleaning the television screen, take care not to scratch or damage the screen surface (avoid wearing jewelry or using anything abrasive). Wipe the front of the screen with a clean cloth dampened with water. Use even, easy, vertical strokes when cleaning.
- Gently wipe the cabinet surfaces with a clean cloth or sponge dampened in a solution of cool clear water. Use a clean dry cloth to dry the wiped surfaces.
- Occasionally vacuum the ventilation holes or slots in the cabinet back.
- Never use thinners, insecticide sprays, or other chemicals on or near the cabinet, as they might cause permanent marring of the cabinet finish.

END-OF-LIFE DISPOSAL

- This Philips Institutional Television product and its packaging contain materials that can be recycled and re-used. Specialized companies can recycle your product to increase the amount of reusable materials and minimize the amounts which need to be properly disposed.
- This product might also use batteries which should not be thrown away when depleted, but should be handed in and disposed of as small chemical waste.
- Please find out about the local regulations regarding the disposal of the television, batteries, and packaging materials whenever you replace existing equipment.

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