USER GUIDE

—

STANDARD DIGITAL TERMINAL

HIGH-DEFINITION DIGITAL TERMINAL

ILLICO DIGITAL TV

CHANNEL
900

VIDEOTRON

A Quebecor Media Company

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IMPORTANT RULES FOR SAFE OPERATION

Carefully read through these rules for safe operation before hooking up the terminal.

PLACEMENT AND VENTILATION

The unit has openings for ventilation that protect it from overheating.

- Avoid obstructing these openings, and do not place other equipment, including televisions, lamps, books or any other object, on the unit. Do not place it in an enclosure such as a bookcase or equipment rack, unless the installation provides proper ventilation.
- Do not place the unit on a bed, sofa, rug or similar surface, or over a radiator or heat register.
- Place the unit on a stable surface able to support its size and weight.

ACCESSORIES AND CLEANING

Do not use accessories with this equipment unless recommended by your cable service provider. Do not open the cover of the unit. Unplug the unit and clean it with a damp cloth. Do not use a liquid or aerosol cleaner, or a magnetic/static cleaning device.

OBJECT AND LIQUID ENTRY

Do not expose the unit to moisture, or spill liquids on or near it. Do not place the unit on a wet surface. Never push objects of any kind into the unit's openings, as they may touch dangerous voltage points or cause short-circuits that could result in a fire or electric shock.

POWER SOURCES

A label on the unit indicates the correct power source for this equipment. Operate the unit only from an electrical outlet that has the voltage and frequency indicated on the label. Do not overload electrical outlets or extension cords, as this can result in a risk of fire or electric shock.

POWER CORD PROTECTION

Arrange all power cords so that people cannot walk on the cords or place objects on or against the cords, as this may damage them. Pay particular attention to cords that are at plugs, at electrical outlets, connected to accessories, and at the places where the cords exit the unit.

GROUNDING

The terminal has a two-prong plug. Properly ground the unit by inserting the plug into a grounded electrical, two-socket outlet. If the plug is polarized, it has one wide prong and one narrow prong. This plug fits only one way.

Caution! To prevent electric shock, match wide blade of plug to wide slot, then fully insert. If you are unable to insert this plug fully into the outlet, contact an electrician to replace your obsolete outlet.

SERVICING

This unit is covered by a one-year warranty. Opening the case will void your warranty. Refer all servicing to a qualified Vidéotron technician. Contact your cable service provider for instructions. Service should be referred to a Vidéotron technician when any of the following occurs:

- There is damage to the power cord or plug.
- Liquid enters the unit, or there is exposure to rain or water.
- A heavy object falls on the unit, or you drop the unit or damage the cabinet.
- Operation is not normal (the instructions in this guide describe the proper operation).
- The unit exhibits a distinct change in performance.

Extended Warranty

For greater peace of mind, Vidéotron offers you the possibility of extending the warranty for an additional two years. Customers who want this extended warranty must apply for it within 30 days of the service activation date. The unit purchased will then be covered for a total of three years following the activation date (one year under the basic warranty + two years under the extended warranty) under the same terms and conditions as in the basic warranty.

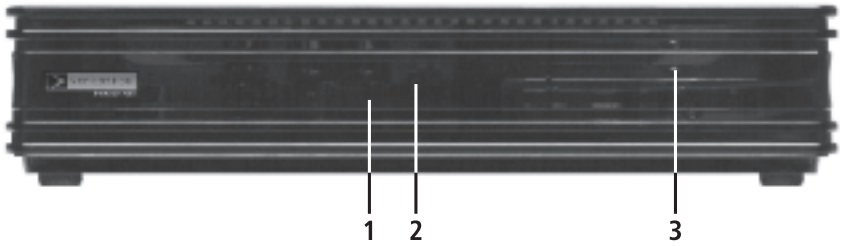
AVAILABLE ILLICO TERMINALS

THE ILLICO TERMINALS OFFER THE SAME HIGH-PERFORMANCE CAPABILITIES, INCLUDING:

- Dolby Digital™ surround sound, CD-quality audio, and DVD-quality video;
- a complete Interactive Program Guide providing an overview of the next days of programming;
- the ability to block access to specific times, channels or TV programs using the Parental Control feature;
- access to interactive TV, with its range of advanced features and services;
- access to video on demand, where available.

AVAILABLE ILLICO TERMINALS

EXPLORER® 940



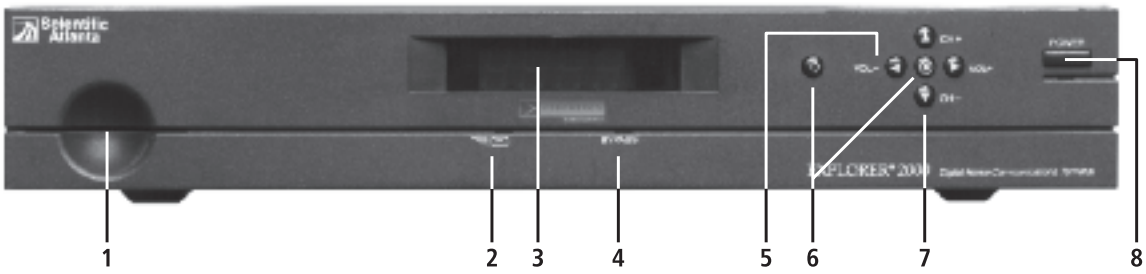
1	LED	Illuminates when the unit is ready.
2	Infrared sensor	Detects the signals from the remote.
3	Maintenance Key	For use by certified technicians.

EXPLORER® 1800

1	Power	Provides power to the unit.
2	Power LED	Illuminates when power is on.
3	CH+ and CH–	Scrolls up or down through the channels.
4	Infrared sensor	Detects the signals from the remote.
5	Smart Card Slot	Will eventually allow for transactions. Not yet operational.

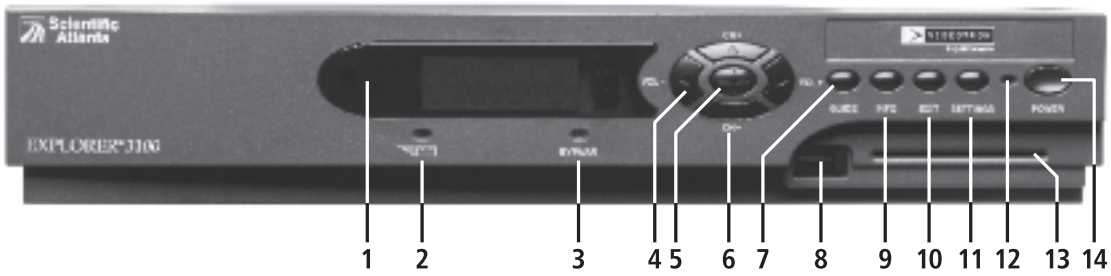
AVAILABLE ILLICO TERMINALS

EXPLORER® 2000



1	Smart Card Slot	Will eventually allow for transactions. Not yet operational.
2	Message Indicator	Not yet operational.
3	Display	Displays the channel numbers and time of day.
4	Bypass Indicator	This function is not available.
5	VOL+ and VOL–	Increases or decreases volume.
6	Maintenance Keys	For use by certified technicians.
7	CH+ and CH–	Scrolls up or down through the channels.
8	Power	Provides power to the unit. The unit is on when the LED is illuminated.

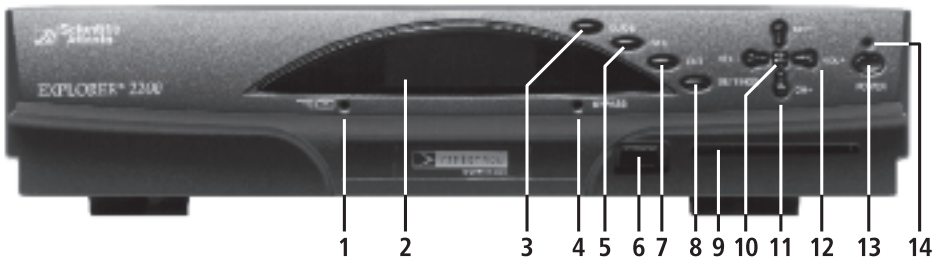
EXPLORER® 2100/3100



1	Display	Displays the channel numbers and time of day.
2	Message Indicator	Not yet operational.
3	Bypass Indicator	This function is not available.
4	VOL+ and VOL–	Increases or decreases volume.
5	SELECT	Confirms or accesses on-screen options.
6	CH+ and CH–	Scrolls up or down through the channels.
7	GUIDE	Accesses the Interactive Program Guide (IPG).
8	USB Port	Connects to peripheral devices. There are no compatible devices yet.
9	INFO	Provides information on settings and IPG programs.
10	EXIT	Exits menus, the IPG, and program information.
11	SETTINGS	Accesses the Quick Settings and General Settings screens.
12	Power LED	Illuminates when power is on.
13	Smart Card Slot	Will eventually allow for transactions. Not yet operational.
14	Power	Provides power to the unit. The unit is on when the LED is illuminated.

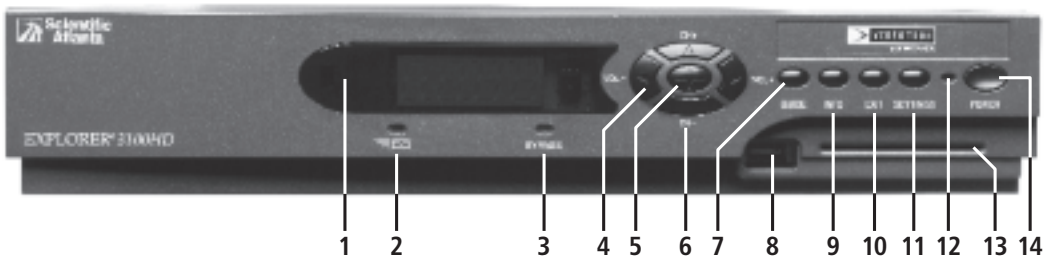
AVAILABLE ILLICO TERMINALS

EXPLORER® 2200/3200



1	Message Indicator	Not yet operational.
2	Display	Displays the channel numbers and time of day.
3	GUIDE	Accesses the Interactive Program Guide (IPG).
4	Bypass Indicator	This function is not available.
5	INFO	Provides information on settings and IPG programs.
6	USB Port	Connects to peripheral devices. There are no compatible devices yet.
7	EXIT	Exits menus, the IPG, and program information.
8	SETTINGS	Accesses the Quick Settings and General Settings screens.
9	Smart Card Slot	Will eventually allow for transactions. Not yet operational.
10	SELECT	Confirms or accesses on-screen options.
11	CH+ and CH–	Scrolls up or down through the channels.
12	VOL+ and VOL–	Increases or decreases volume.
13	Power	Provides power to the unit. The unit is on when the LED is illuminated.
14	Power LED	Illuminates when power is on.

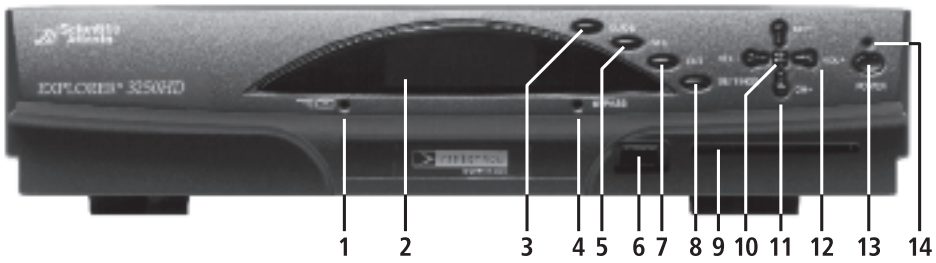
EXPLORER® 3100 HD



1	Display	Displays the channel numbers and time of day.
2	Message Indicator	Not yet operational.
3	Bypass Indicator	This function is not available.
4	VOL+ and VOL–	Increases or decreases volume.
5	SELECT	Confirms or accesses on-screen options.
6	CH+ and CH–	Scrolls up or down through the channels.
7	GUIDE	Accesses the Interactive Program Guide (IPG).
8	USB Port	Connects to peripheral devices. There are no compatible devices yet.
9	INFO	Provides information on settings and IPG programs.
10	EXIT	Exits menus, the IPG, and program information.
11	SETTINGS	Accesses the Quick Settings and General Settings screens.
12	Power LED	Illuminates when power is on.
13	Smart Card Slot	Will eventually allow for transactions. Not yet operational.
14	Power	Provides power to the unit. The unit is on when the LED is illuminated.

AVAILABLE ILLICO TERMINALS

EXPLORER® 3250 HD



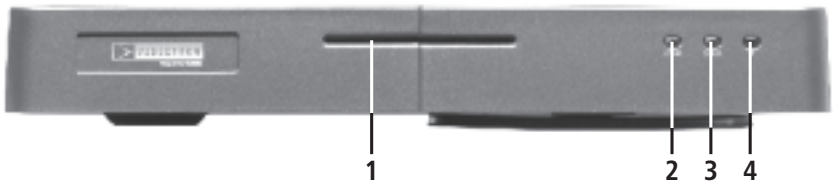
1	Message Indicator	Not yet operational.
2	Display	Displays the channel numbers and time of day.
3	GUIDE	Accesses the Interactive Program Guide (IPG).
4	Bypass Indicator	This function is not available.
5	INFO	Provides information on settings and IPG programs.
6	USB Port	Connects to peripheral devices. There are no compatible devices yet.
7	EXIT	Exits menus, the IPG, and program information.
8	SETTINGS	Accesses the Quick Settings and General Settings screens.
9	Smart Card Slot	Will eventually allow for transactions. Not yet operational.
10	SELECT	Confirms or accesses on-screen options.
11	CH+ and CH–	Scrolls up or down through the channels.
12	VOL+ and VOL–	Increases or decreases volume.
13	Power	Provides power to the unit. The unit is on when the LED is illuminated.
14	Power LED	Illuminates when power is on.

EXPLORER® 4250 HD

1	Power	Provides power to the unit. The unit is on when the LED is illuminated.
2	VOL+ and VOL–	Increases or decreases volume.
3	CH+ and CH–	Scrolls up or down through the channels.
4	SELECT	Confirms or accesses on-screen options.
5	Display	Displays the channel numbers and time of day.
6	GUIDE	Accesses the Interactive Program Guide (IPG).
7	INFO	Provides information on settings and IPG programs.
8	EXIT	Exits menus, the IPG, and program information.
9	SETTINGS	Accesses the Quick Settings and General Settings screens.
10	Smart Card Slot	Will eventually allow for transactions. Not yet operational.
11	USB Port	Connects to peripheral devices. There are no compatible devices yet.

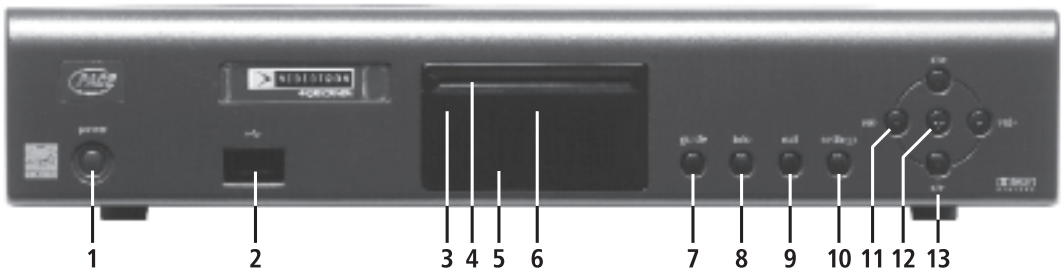
AVAILABLE ILLICO TERMINALS

PACE® 501



1	Smart Card Slot	Will eventually allow for transactions. Not yet operational.
2	Power LED	Illuminates when power is on.
3	Power LED	Illuminates when the unit is plugged in an electrical outlet.
4	Infrared sensor	Detects the signals from the remote.

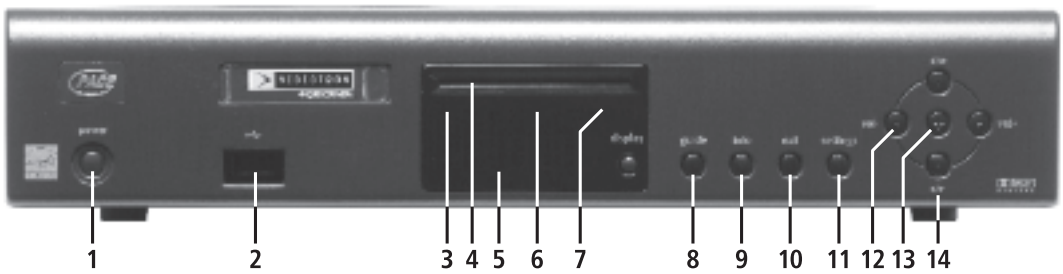
PACE® 511



1	Power	Lights green when your home terminal is on and red when it is off.
2	USB Connector	Connects to peripheral devices. There are no compatible devices yet.
3	Bypass Indicator	This function is not available.
4	Smart Card Slot	Will eventually allow for transactions. Not yet operational.
5	Display	Displays the channel numbers and time of day.
6	Message Indicator	Not yet operational.
7	GUIDE	Accesses the Interactive Program Guide (IPG).
8	INFO	Provides information on settings and IPG programs.
9	EXIT	Exits menus, the IPG, and program information.
10	SETTINGS	Accesses the Quick Settings and General Settings screens.
11	VOL+ and VOL–	Increases or decreases volume.
12	SELECT	Confirms or accesses onscreen options.
13	CH+ and CH–	Scrolls up or down through the channels.

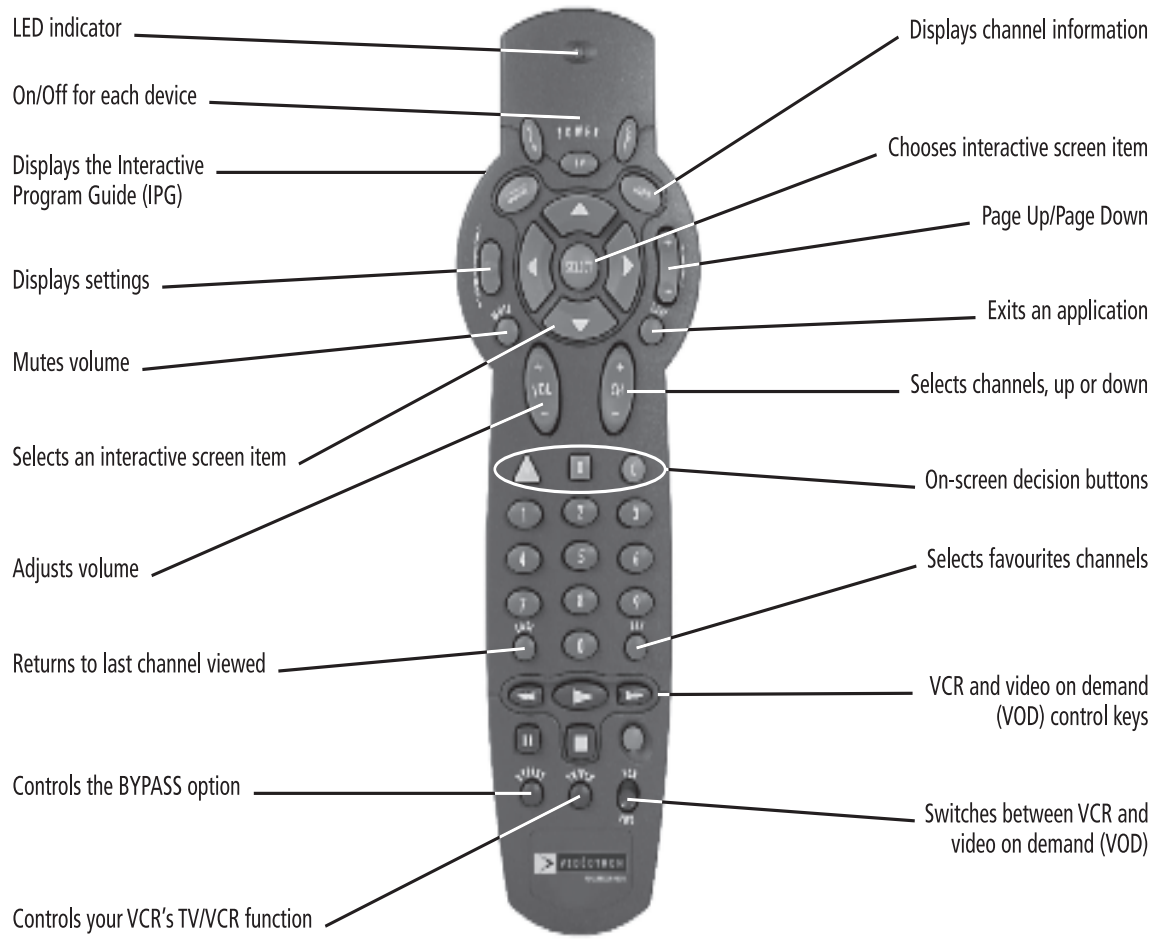
AVAILABLE ILLICO TERMINALS

PACE® 550 HD/551 HD



1	Power	Lights green when your home terminal is on and red when it is off.
2	USB Connector	Connects to peripheral devices. There are no compatible devices yet.
3	Bypass Indicator	This function is not available.
4	Smart Card Slot	Will eventually allow for transactions. Not yet operational.
5	Display	Displays the channel numbers and time of day.
6	Message Indicator	Not yet operational.
7	HDTV	Lights for a high-definition source signal and during display setting.
8	GUIDE	Accesses the Interactive Program Guide (IPG).
9	INFO	Provides information on settings and IPG programs.
10	EXIT	Exits menus, the IPG, and program information.
11	SETTINGS	Accesses the Quick Settings and General Settings screens.
12	VOL+ and VOL–	Increases or decreases volume.
13	SELECT	Confirms or accesses on-screen options.
14	CH+ and CH–	Scrolls up or down through the channels.

E2050-ER1 AND RT-U43CO



The remote control requires two alkaline AA batteries. A diagram inside the compartment of the remote control indicates proper battery placement. Replace as needed, when the indicator light becomes dim or no longer illuminates.

PROGRAMMING THE E2050-ER1 REMOTE CONTROL

This step is not essential, but allows you to use the digital terminal remote control with your TV and VCR.

HOW TO PROGRAM THE TV MODE KEY

1. Turn on the TV set.
2. Point the remote control away from the digital terminal, the TV and the VCR.
3. On your remote control, press and hold **TV** and **SELECT** at the same time until the LED on the remote control blinks twice.
4. Using the remote control keypad, enter your TV's 3-digit setup code (**the codes are listed in the appendix** on page 49); the LED should blink once each time you enter a digit. When the three digits have been entered correctly, the LED blinks twice. If it doesn't blink twice, try another code.
5. Once you have found the correct code, point the remote control at the TV set and press **POWER**.
6. If the TV turns off, write the code you used here: **TV** _____.
7. **If your TV or VCR brand is not listed in the appendix or if none of the codes works, refer to "How to Search for Codes", below.**

HOW TO PROGRAM THE VCR MODE KEY

1. Turn on the VCR and move the **VCR/VOD** slide switch to the **VCR** position.
2. Repeat the steps described under "**How to Program the TV Mode Key**", substituting the **TV** key for the **VCR** key (codes are listed in the appendix on page 50).
3. Write the code you used here: **VCR** _____.

Located in the bottom right corner of the remote control, the VCR/VOD key is used to activate the dedicated video on demand and VCR keys.

Slide it to the VOD position when using video on demand, and to the VCR position when using the VCR.

HOW TO SEARCH FOR CODES

1. Point the remote control away from your TV or VCR, depending on which one you are programming.
2. **To search for TV codes**, press and hold **TV** and **SELECT** at the same time until the LED on the remote control blinks twice. **OR To search for VCR codes**, press and hold **VCR** and **SELECT** at the same time until the LED on the remote control blinks twice.
3. Slowly enter the code **9 9 1**; the LED should blink once each time you enter a digit. When the three digits have been entered correctly, the LED blinks twice.
4. Point the remote control at the TV or VCR, and press **TV** or **VCR**. **If the device turns off**, go to step 5. **If the device remains on**, start again from the beginning of step 2.
5. Press **SELECT** to confirm a valid code; the LED blinks twice.
6. Point the remote control toward the device you programmed, and power on and off to confirm operation.
7. You now need to identify the code you just found.

HOW TO IDENTIFY PROGRAMMED CODES

1. Point the remote control away from the digital terminal, TV and VCR.
2. **To identify the TV code**, press and hold **TV** and **SELECT** at the same time until the LED on the remote control blinks twice.
   or
   To identify the VCR code, press and hold **VCR** and **SELECT** at the same time until the LED on the remote control blinks twice.
3. Slowly enter the code **9 9 0**; the LED should blink once each time you enter a digit. When the three digits have been entered correctly, the LED blinks twice.
4. Press **1** on the keypad, then count the LED blinks. The number of blinks indicates the first digit in the code. If the LED doesn't blink, the digit is **0**.
5. Press **2** on the keypad, then count the LED blinks. The number of blinks indicates the second digit in the code.
6. Press **3** on the keypad, then count the LED blinks. The number of blinks indicates the third digit in the code.

HOW TO PROGRAM THE VOLUME CONTROL

This step is not essential, but it lets you better control the volume on your devices. You must have already completed TV setup as outlined in the **How to Search for Codes** section of this guide.

1. Point the digital terminal remote control away from the digital terminal, TV and VCR.
2. Press and hold the **CBL** and **SELECT** keys at the same time until the LED on the remote control blinks twice.
3. Slowly enter the code **9 9 3**; the LED should blink once each time you enter a digit. When the three digits have been entered correctly, the LED blinks twice.
4. Press **TV** to control your television volume from the digital terminal remote control, or **CBL** to control your digital terminal volume from the digital terminal remote control. The LED blinks twice to confirm a valid selection.
5. Point the remote toward your equipment and adjust the volume to confirm operation.

Before using the volume control feature for the first time, set the volume to three-quarters using the TV remote control. **Use the digital terminal remote control for all subsequent volume changes**.

PROGRAMMING THE RT-U43CO REMOTE CONTROL

HOW TO PROGRAM THE TV MODE KEY

1. Turn on the TV set, then press and hold the **TV** and **SELECT** keys at the same time until the LED stays lit.
2. Press and hold the **CH+** key (Point and Press™ method) until the TV set turns off. As soon as it turns off, release the **CH+** key.
   OR
   Refer to the list of TV codes on page 51 and enter the code for your TV brand. If there are several, try them one at a time until the TV turns off.
3. Press the **MUTE** key. **If the TV turns on**, press the TV key to lock in the code. The LED will blink and go out. **If the TV does not turn on**, repeat steps above until you can turn the TV on and off.
4. Write the code and your TV's brand here: _____.

If, when using the Point and Press™ method, you find a code that turns your TV off but not back on, you may have gone past the correct matching code. Try pressing **CH–** and the **MUTE** key alternately one step at a time until you find a code that turns your TV back on.

5. If you found the code using the Point and Press™ programming method, refer to the section **3-Digit Code Number Readback**, on page 21.

HOW TO PROGRAM THE VCR MODE KEY

1. Turn on the VCR or DVD player, then press and hold the **VCR** and **SELECT** keys until the LED stays lit.
2. Repeat the steps described under **How to Program the TV Mode Key**, substituting the **VCR** key for the **TV** key.
3. Write the code and your TV brand here: _____.
   Write the code and your DVD brand here: _____.
4. If you found the code using the **Point and Press™** programming method, refer to the section **3-Digit Code Number Readback**, below.

Located in the bottom right corner of the remote control, the VCR/VOD key is used to activate the dedicated video on demand and VCR keys. **The colour of the remote control's LED tells you which function has been activated.**
Press the **VCR/VOD** key. If the LED is **red**, **the remote control is in video on demand mode**; if the LED is **green**, **it is in VCR mode**.

HOW TO PROGRAM A TV/VCR COMBINATION UNIT

1. Follow the steps described under **How to Program the TV Mode Key** and **How to Program the VCR Mode Key**.
2. In the space provided, write the code for the TV _____ and VCR _____.
3. If you found the code using the **Point and Press™** programming method, refer to the section **3-Digit Code Number Readback**, below.

You cannot use the Point and Press™ method to program the VCR functions of the TV/VCR.

3-DIGIT CODE NUMBER READBACK

1. F**or the TV code**, press and hold the **TV** and **SELECT** keys at the same time until the LED stays lit.
2. Press the **INFO** key. The LED will "blink back" the code numbers, with a 1-second interval between each digit of the code.
   Example: For code "035", the indicator light will blink 10 times, then 3 times, then 5 times. Once you have found the code, write it down here for future reference _____.
3. **For the VCR code**, follow steps 1 and 2 using the **VCR** and **SELECT** keys. Once you have found the code, write it down here for future reference _____.

HOW TO PROGRAM THE VOLUME CONTROL

1. Press and hold the **CBL** and **SELECT** keys at the same time until the LED stays lit.
2. Press the **VOL+** key, and then the **CBL** key. The LED will blink twice and go out.
3. To control the volume through the TV again, repeat step 1 and, at step 2, press the **VOL+** and **TV** keys.

HOW TO PROGRAM THE SMARTKEYS™

You can program the **CBL** and **TV** keys so that whenever either is pressed, several tasks take place in sequence.

To turn on the terminal, turn on the TV, and tune in to channel 3 with the press of one button

1. Press and hold the **CBL** and **SETTINGS** keys at the same time until the LED stays lit.
2. In this order, press **CBL**, **TV**, **0**, **3**. The LED light will blink and stay lit.
3. Press **CH+** to lock in this setting; the indicator light will blink and go out.
4. To return the **CBL** button to its normal default setting, repeat step 1, then press **CH–**.

To turn on the TV and tune in to channel 3 with the press of one button

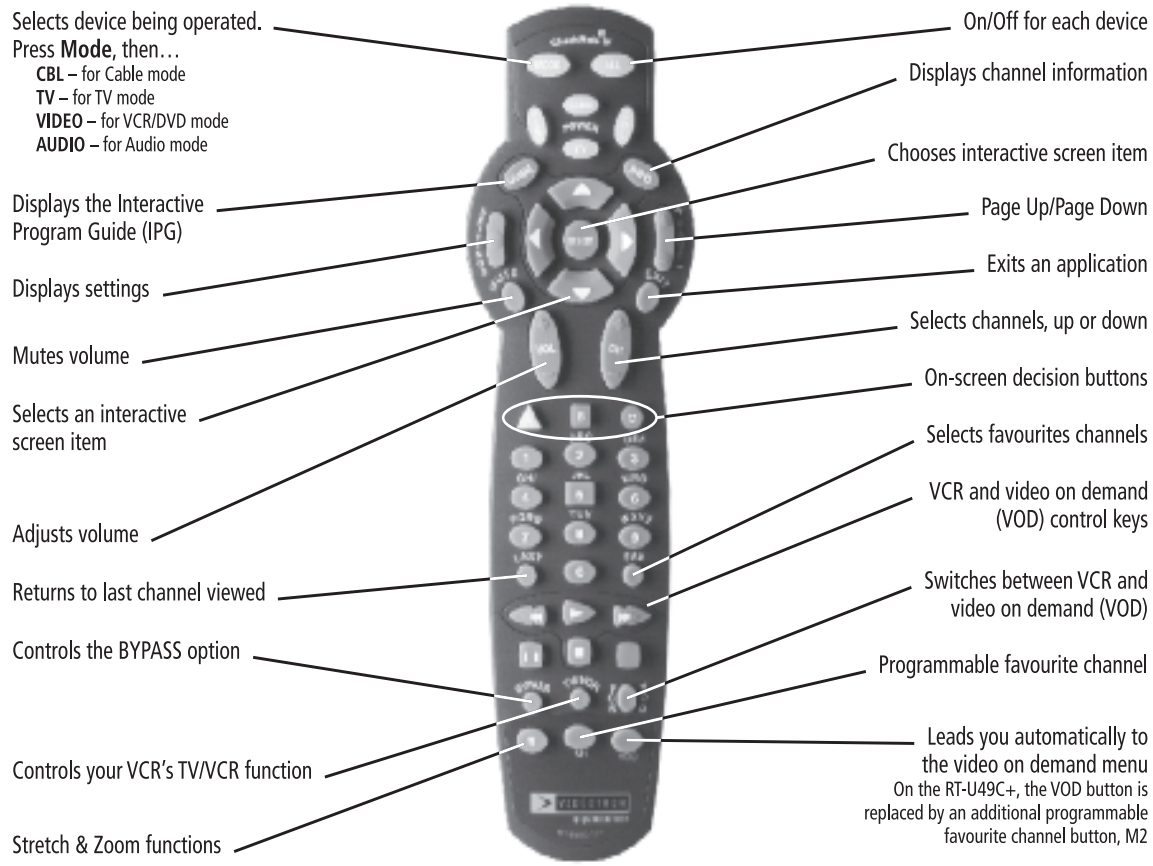
1. Press and hold the **TV** and **SETTINGS** keys at the same time until the LED stays lit.
2. In this order, press **TV**, **0**, **3**. The LED light will blink and stay lit.
3. Press **CH+** to lock in this setting; the LED will blink and go out.
4. To return the **TV** button to its normal default setting, repeat step 1, then press **CH–**.

When using SmartKeys™ to transmit a series of button presses, be sure to keep your remote control aimed at the devices to ensure all functions are received in their entirety.

HOW TO RESET THE REMOTE CONTROL

1. Press and hold the **CBL** and **SELECT** keys at the same time until the LED stays lit.
2. Press the **SETTINGS** key twice; the LED will blink and go out.

RC-U49C+ AND RT-U49C-15+



The remote control requires two alkaline AA batteries. A diagram inside the compartment of the remote control indicates proper battery placement. Replace as needed, when the indicator light becomes dim or no longer illuminates.

PROGRAMMING THE RC-U49C+ REMOTE CONTROL

POINT AND PRESS® PROGRAMMING

This method allows you to program the remote control without using codes. Instead, the remote control automatically finds the correct command that you select in a variety of codes until you find the code that operates your device. You then lock in the correct code as described below.

When using this method, there are several important points to remember:

- The order in which you program your electronic devices is not important.
- There may be several codes that turn your electronic devices on/off (or perform other functions). Once you lock in a code, be sure to check the available functions for that device (i.e. TV – Vol+/–, Mute, TV Input (TV/VCR button), VIDEO – Play, Stop, Rew, etc., AUDIO – Volume/Mute) to see if they are operating.
- While the remote control is searching for the correct setup code(s) for your electronic devices, it is possible that other (previously programmed) devices may turn on/off (or perform other functions). If this occurs, continue pressing the **CH+** or **CH–** buttons until you find the correct code for the device you are programming.
- It may take several minutes for the remote control to find the correct code that turns your device on/off (or performs another selected function). During this time, the **POWER/MODE** buttons will illuminate in fast rotation (i.e. CBL > TV > VIDEO > AUDIO > CBL, etc.).

PROGRAMMING YOUR ELECTRONIC DEVICES USING CH+ OR CH– BUTTONS (POINT AND PRESS® METHOD)

1. Turn on all the electronic devices (TV, VCR, DVD, AUDIO) you want to program the remote control to operate.
2. On your remote control, press and hold **SELECT**, then **MUTE** together until the **POWER/MODE** buttons illuminate in slow rotation (i.e. CBL > TV > VIDEO > AUDIO > CBL, etc.).
3. Press and hold the **CH+** button until one device turns off. While you are pressing the **CH+** button, the **POWER/MODE** buttons will illuminate in fast rotation. As soon as one device turns off, release the **CH+** button.
4. Press **MUTE** button.
   a. If the device that turned off **turns back on**, press **SELECT** to lock in this code. The **POWER/MODE** buttons will blink 3 times and go out.
   or
   b. If the device that turned off **does not turn back on**, press **CH–** one step at a time until that device turns back on. Each time you press the **CH–** button, the **POWER/MODE** buttons will illuminate once in reverse fast rotation (i.e. AUDIO > VIDEO > TV > CBL).
5. Once you have found a code that turns the device on/off, press **SELECT** to lock in this code. The **POWER/MODE** buttons will blink 3 times and go out.
6. Repeat steps 2 to 5 above for each of the remaining electronic devices you wish to program the remote control to operate.

CODE NUMBER READBACK

To identify the 3-digit setup codes stored under the Point and Press® programming method, follow these steps:

1. **For the TV code**, press and hold the **TV** and **SELECT** keys at the same time until the **TV** button illuminates.
2. Press the **INFO** key. The **TV** button will "blink back" the code numbers, with a 1-second interval between each digit of the code.
   Example: For code "035", the indicator light will blink 10 times, then 3 times, then 5 times. Once you have found the code, write it down here for future reference _____.
3. **For the VCR code**, follow steps 1 and 2 using the **VCR** and **SELECT** keys. Once you have found the code, write it down here for future reference _____.
4. **For the DVD code**, follow steps 1 and 2 using the **VCR** and **SELECT** keys. Once you have found the code, write it down here for future reference _____.
5. **For the AUDIO code**, follow steps 1 and 2 using the **AUDIO** and **SELECT** keys. Once you have found the code, write it down here for future reference _____.

Located in the bottom right corner of the remote control, the VCR/VOD key is used to activate the dedicated video on demand and VCR keys.

Slide it to the VOD position when using video on demand, and to the VCR position when using the VCR.

CODE-ENTRY PROGRAMMING

HOW TO PROGRAM THE TV MODE KEY

1. Turn on your TV. On your remote control, press and hold **SELECT** and **MUTE** together until the **POWER/MODE** buttons illuminate in slow rotation (i.e. CBL > TV > VIDEO > AUDIO > CBL, etc.).
2. Refer to the list of TV Setup Codes on page 52. Using the remote control keypad, enter your 3-digit setup code. You may have to enter several different codes until your TV turns off.
3. As soon as you have entered a 3-digit code that turns your TV off, press **MUTE**. If the TV turns back on, press **SELECT** to lock in the code. The **POWER/MODE** buttons will blink 3 times and go out. If the TV does not turn back on, enter a different 3-digit setup code until your TV turns back on. Then press **SELECT** to lock in the code. The **POWER/MODE** buttons will blink 3 times and go out.
4. If your television has come on again, note the code and the brand here: **TV**
   _____.

Note: If your TV or VCR/DVD brand is not listed in the appendix or if none of the codes works, refer to "Point and Press® Programming" section.

HOW TO PROGRAM THE VCR/DVD MODE KEY

1. To program your VCR or DVD, repeat steps 1 to 4 above, substituting the **TV** indications for your **VCR**.
2. Write the code you used here: **VCR** _____
   DVD _____.

HOW TO PROGRAM A TV/VCR COMBINATION UNIT

1. First, turn on your TV/VCR combination device and install a VHS tape.
2. Next, program your remote control to operate the TV functions. Using the Code-Entry Programming method described above, find a TV Setup Code that operates the TV functions (Power, Vol. +/–, Mute) of your TV/VCR unit.
3. Using the Code-Entry Programming method described above, enter, lock and test each 3-digit VCR Setup Code for your brand until a code is found that operates the transport functions of your TV/VCR unit.

ALL BUTTON

Once you have programmed each of your electronic devices, press **ALL** to turn them all on or off with a single key. The **ALL** key can even be programmed for the television to tune to the channel that controls all your other electronic devices (usually position 3).

Programming the ALL Button

1. Press **MODE**, then **CBL** to select the remote control's cable mode.
2. Press **SETTINGS** and **ALL** together until the **TV** button illuminates.
3. Press **[0]**, then **[3]**.

- Your TV output channel may also be **2** or **4**.
- Depending on your TV brand, the channel may have to be entered as **3**, **03** ou **003**.

4. Press **CH+** to store the TV channel. The **TV** button will blink 3 times and go out.

Note: This step is only relevant if the television's RF input (co-axial) is used as the main source (input) to receive the signal coming from the terminal. Otherwise, this setting is not recommended.

Using the ALL button

When pressing the **ALL** button, be sure to keep the remote control aimed at your electronic devices until your electronic devices turn on or off.

Resetting the ALL button

1. Press **MODE**, then **CBL** to select the remote control's cable mode.
2. Press **SETTINGS** and **ALL** together until the **TV** button illuminates.
3. Press **CH+**. The TV button will blink 3 times and go out.

M1, M2 BUTTONS

Your remote has 2 Channel Memory Buttons – **M1** and **M2**. Each of these buttons can store up to 5 cable channels. Each cable channel can be up to 5-digits. Some or all of your remote control's Channel Memory Buttons may come pre-tuned to channels or functions selected by your cable operator. If they have not been pre-tuned by your cable operator, they can be programmed as follows:

Programming M1 and M2 buttons
For instance, to program the **M1** button to cable channels 1, 12, 123, 231 and 17, follow these steps:

1. Press **M1** and **CBL** together until the **CBL** button illuminates.
2. Enter each channel as follows:
   a. Enter 1st channel # – 001.
   b. Press CH+ to advance to next channel # setting.
   c. Enter 2nd channel # – 012.
   d. Press CH+ to advance to next channel # setting.
   e. Enter 3rd channel # – 123.
   f. Press CH+ to advance to next channel # setting.
   g. Enter 4th channel # – 231.
   h. Press CH+ to advance to next channel # setting.
   i. Enter 5th channel # – 017.
3. Press **M1** to store the above channels. The **CBL** button will blink 3 times and go out. To store fewer than five channels, you can press the **M1** button any time after entering a complete channel number.
4. Repeat the above steps to program the **M2** button. Follow the example in step 1, but press **M2** and **CBL** together until the **CBL** button illuminates.

The **M2** button can be subtituted for the **VOD** button, depending on model.

Using M1, M2 buttons
Using the programmed channels (previous page) as an example…

1. Press **M1** Cable set-top terminal tunes in to channel 001.
2. Press **M1** again – Cable set-top terminal tunes in to channel 012.
3. Press **M1** again – Cable set-top terminal tunes in to channel 123.
4. Press **M1** again – Cable set-top terminal tunes in to channel 231.
5. Press **M1** again – Cable set-top terminal tunes in to channel 017.
6. Press **M1** again – Cable set-top terminal tunes in to channel 1… repeat.

Whenever a Channel Memory button is pressed, the function of the transport buttons will automatically switch back to cable.

When pressing the **M1** button, be sure to keep the remote control aimed at your cable set-top terminal to ensure the full channel numbers are received in their entirety.

Resetting M1, M2 buttons
To reset **M1** and **M2**, follow these steps:

1. Press **M1** and **CBL** together until the **CBL** button illuminates.
2. Press **M1**. The **CBL** button will blink 3 times and go out.

RESETTING # BUTTON

When you get the remote control, the terminal's # key is already configured for the zoom function (high-definition terminals only).

To reset the # key, follow these steps:

1. Simultaneously press on **MUTE** and **SELECT** (the **MODE** keys light up in turn).
2. Enter 010 and press **SELECT**. The **MODE** keys will flash, then go off.

HOW TO PROGRAM THE VOLUME CONTROL

When you first program your remote control, volume/mute are controlled through your TV. The volume control options in each mode of the remote control are:

CBL	TV (default), Cable or Audio.
TV	TV (default), Cable or Audio.
VIDEO	TV (default), Cable or Audio.
AUDIO	AUDIO device (default), Cable or TV.

To control volume/mute through your cable set-top terminal in the remote control's cable mode
1. Press **CBL** and **SELECT** together until the **CBL** button illuminates.
2. Press **VOL+**, then **CBL** for volume control through the terminal. The **CBL** button will blink 3 times and go out.

To return volume control to your TV, repeat step 1, then press VOL+, then TV in step 2.

HOW TO PROGRAM THE SMARTKEYS™

Your remote control has two SmartKeys™ – **CABLE** and **TV** that operate in its cable mode. Each SmartKey™ can be programmed to transmit multiple functions.

Programming and using the CBL SmartKey™

The **CBL** button normally turns on/off your cable set-top terminal.

To program the CBL button to transmit multiple pre-programmed functions, follow the steps below:

1. Press **MODE**, then **CBL** to select the cable mode of your remote control.
2. Press **CBL** and **SETTINGS** together until the **CBL** button illuminates.
3. Press the option number below for the desired functions:

Option	Pre-programmed to turn on…
[1]	Cable & TV – tune in TV to Ch 3
[2]	Cable & TV – tune in TV to Ch 2
[3]	Cable & TV – tune in TV to Ch 4
[4]	Cable, TV & VIDEO – tune in TV to Ch 3
[5]	Cable, TV & VIDEO – tune in TV to Ch 2
[6]	Cable, TV & VIDEO – tune in TV to Ch 4
[7]	Cable, TV, VIDEO & AUDIO – tune in TV to Ch 3
[8]	Cable, TV, VIDEO & AUDIO – tune in TV to Ch 2
[9]	Cable, TV, VIDEO & AUDIO – tune in TV to Ch 4
[0]	Cable only (default)

4. The **CBL** button will blink 3 times and go out, storing the selected option.

Programming and using the TV SmartKey™

The **TV** button normally turns on/off your TV. To program the TV button to transmit multiple pre-programmed functions, follow the steps below:

1. Press **MODE**, then **CBL** to select the cable mode of your remote control.
2. Press **TV** and **SETTINGS** together until the **TV** button illuminates.
3. Press the option number below for the desired functions:

Option	Pre-programmed to turn on…
[1]	TV – tune in TV to Ch 3
[2]	TV – tune in TV to Ch 2
[3]	TV – tune in TV to Ch 4
[0]	TV only (default)

4. The **TV** button will blink 3 times and go out, storing the selected option.

MODE LOCK™

Your CheckMate® IV remote control can be set up in two different operating modes – "locked" and "unlocked". From the factory, it is set in its "locked" mode, which means it will operate all the functions of your cable set-top terminal, plus a limited number of functions of your TV, VCR, DVD devices. In its locked mode, your remote control is unable to change channels on your TV device.

By comparison, in its "unlocked" mode, it can still operate all the functions of your cable set-top terminal, but more of the functions of your TV, VCR and DVD devices.

The following steps will allow you to set your remote control to its "unlocked" mode, or reset it to its "locked" mode.

To "unlock" your remote control for multi-device operation…

1. Press **CBL** and **MUTE** together until the **CBL** button illuminates.
2. Press [9, 9, 9]. The **CBL** button will blink 3 times and go out.

To "lock" your remote control in its cable operating mode for single-device operation...

1. Press **CBL** and **MUTE** together until the **CBL** button illuminates.
2. Press [0, 0, 0]. The **CBL** button will blink 3 times and go out.

TV/VCR INPUT

In the remote control's **Cable** and **TV** modes, this button operates the TV Input function on your TV. In the remote control's **VIDEO** mode, this button changes the **TV/VCR** function on your VCR.

You can program this button so that in the remote control's cable mode, TV/VCR will operate the TV/VCR function on your VCR,
eliminating the need to change modes on the remote control.

To program the TV/VCR button to operate your VCR

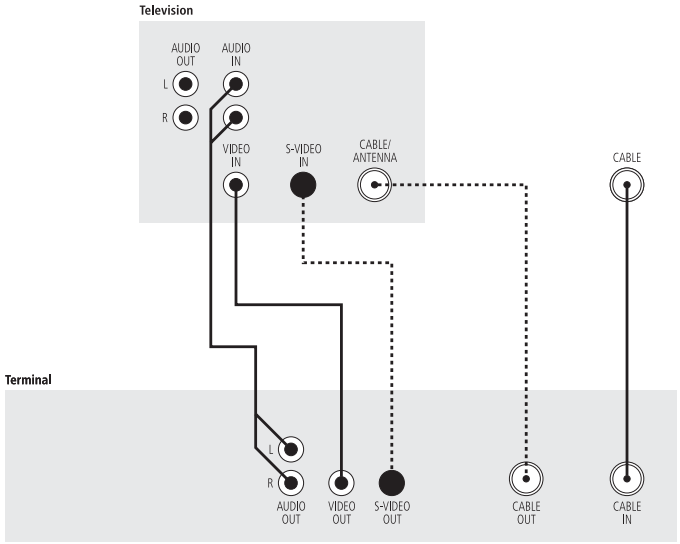
1. First activate **CBL** mode.
2. Press **TV/VCR** and **SELECT** together until the **CBL** button illuminates.
3. Press **VIDEO**. The **CBL** button will blink 3 times and go out.

To return this button to operate the TV Input function on your TV, repeat step 1, then press **TV** in step 2.

CONNECTION NO. 1: STANDARD TERMINAL + STEREO TV

THIS CONNECTION WILL ALLOW YOU TO…

Watch the channel or service of your choice



1. Turn on the illico terminal by pressing **CBL** on the remote control.
2. Turn on your **TV** and select the **VIDEO/AUDIO** or **S-VIDEO** input by pressing **INPUT SELECT**, **INPUT**, **AUX**, **AVX** or **TV/VIDEO** on the TV remote control.
3. Use the illico terminal remote control to tune in to the channel or service of your choice. This will allow you to hear your programs in stereo.

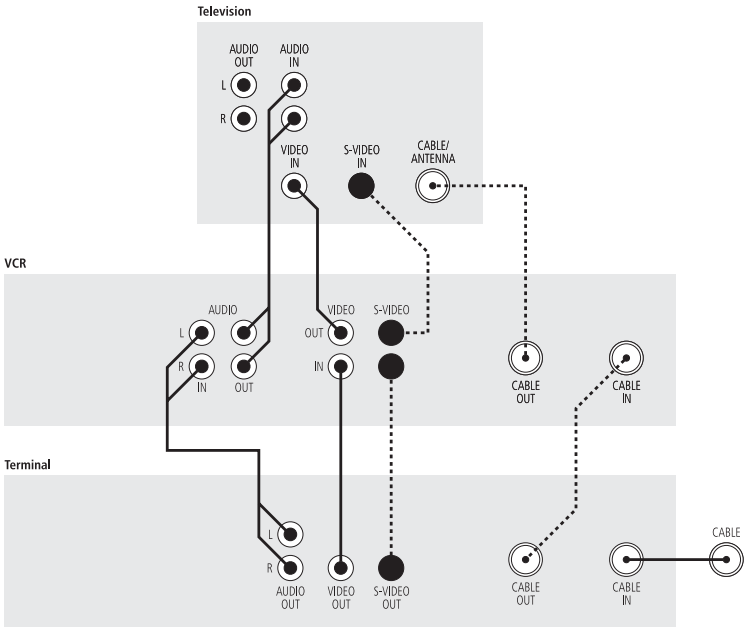
Notes:

- The best possible connection with the cables supplied is illustrated by the solid lines. The dotted lines represent viable options, however.
- Although the back of the terminals differ from one model to another, and the plugs can be in a different place, the connection is done in the same way.
- You should turn the illico terminal volume all the way up and adjust the volume on the TV to your taste. For explanations, see the "Volume adjustment" section of this guide.

CONNECTION NO. 2: STANDARD TERMINAL + VCR OR DVD RECORDER

THIS CONNECTION WILL ALLOW YOU TO…

A. Watch the channel or service of your choice;
B. Record a program while watching it;
C. Record a program during your absence;
D. Watch a videocassette, DVD or pre-recorded program.



Notes:

- The best possible connection with the cables supplied is illustrated by the solid lines. The dotted lines represent viable options, however.
- Although the back of the terminals differ from one model to another, and the plugs can be in a different place, the connection is done in the same way.
- You should turn the illico terminal volume all the way up and adjust the volume on the TV to your taste. For explanations, see the "Volume adjustment" section of this guide.

A. TO WATCH THE CHANNEL OR SERVICE OF YOUR CHOICE:

1. Press **CBL** on the remote control to turn on the illico terminal.
2. Turn on the VCR or DVD reader/writer.
3. Select the **VIDEO/AUDIO** or **S-VIDEO** input on the TV by pressing **INPUT SELECT**, **INPUT**, **AUX**, **AVX** or **TV/VIDEO** on the TV remote control.
4. Select the **LINE** input on the VCR or DVD reader/writer by pressing **LINE**, **AUX**, **AV** or **CAM** on the VCR or DVD recorder, or by tuning in to channel **00**, **01**, **91** or **99**, depending on your VCR or DVD reader/writer **LINE/TUNER** switch.
5. Use the illico terminal remote control to tune in to the channel or service of your choice. This will allow you to hear your programs in stereo.

B. TO RECORD THE PROGRAM YOU ARE WATCHING:

1. Follow the instructions for the previous step to watch the channel of your choice.
2. Start recording by pushing **REC** on the VCR or DVD reader/writer.
3. Adjust the volume on the TV.

C. TO RECORD A PROGRAM DURING YOUR ABSENCE:

1. Turn the illico terminal volume all the way up.
2. Push the illico remote control's **SETTINGS** button twice. Move the cursor to the **RECORDING** option and follow the on-screen instructions. You can program the illico terminal to automatically record different channels at different times.
   Example: Channel 25 Tues. Aug. 29 from 8 to 9 a.m. Channel 35 Tues. Aug. 29 from 1:30 to 3 p.m.
3. Use the **TIMER** feature on your VCR or DVD reader/writer to start recording at the desired time. Refer to the above example to program the **TIMER**:
   Example: A/V (LINE) channel Tues. Aug. 29 from 8 to 9 a.m. A/V (LINE) channel Tues. Aug. 29 from 1:30 to 3 p.m.

D. TO WATCH A VIDEOCASSETTE, DVD OR PRE-RECORDED PROGRAM:

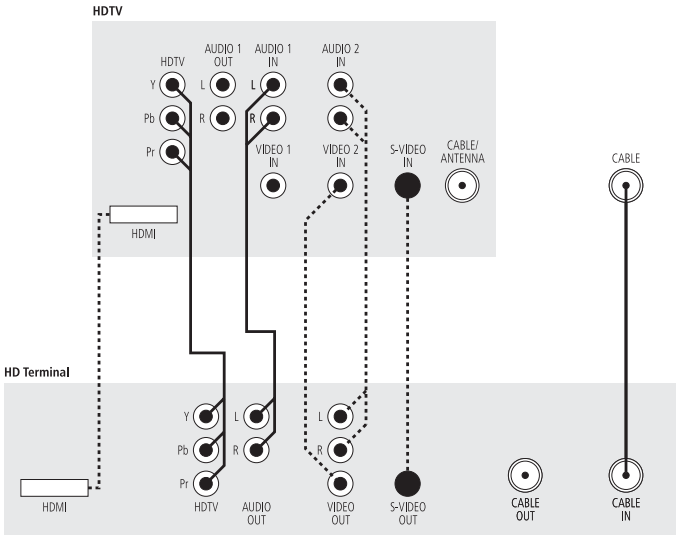
1. Turn on the TV and VCR or DVD recorder.
2. Select the **VIDEO/AUDIO** or **S-VIDEO** or **HD** input on the TV by pressing **INPUT SELECT**, **INPUT**, **AUX**, **AVX** or **TV/VIDEO** on the TV remote control.
3. Start the videocassette or DVD (by pressing **PLAY**).
4. Adjust the volume on the TV or stereo system, depending on your connection.

NOTE: This connection allows you to watch one channel and to watch or record a videocassette or DVD in stereo. In digital, to enjoy stereo sound through your stereo system, the TV and VCR or DVD recorder must both be turned on. In addition, the appropriate TV (VIDEO/AUDIO) input and VCR **LINE** input must be selected. Press **INPUT SELECT**, **INPUT**, **AUX**, **AVX** or **TV/VIDEO** on the TV and VCR remote controls. On some TV and VCR or DVD recorder models, you will have to select one of the following channels: **00**, **01**, **91** or **99**. (Some models have a **MONITOR**, **A/V** or **AUX** switch.)
When you select the **VIDEO** or **LINE** input on the TV, VCR or DVD reader/writer, the stereo indicator light does not come on, but you will still be able to get stereo sound.

CONNECTION NO. 3: HIGH DEFINITION TERMINAL + HIGH DEFINITION TV

THIS CONNECTION WILL ALLOW YOU TO…

Watch the channel or service of your choice in high definition (where available).



1. Turn on the illico terminal by pressing **CBL** on the remote control.
2. Turn on your TV and select the **VIDEO/AUDIO** or **S-VIDEO** or **HD** input by pressing **INPUT SELECT**, **INPUT**, **AUX**, **AVX** or **TV/VIDEO** on the TV remote control.
3. Use the illico terminal remote control to tune in to the channel or service of your choice. This will allow you to hear your programs in stereo.

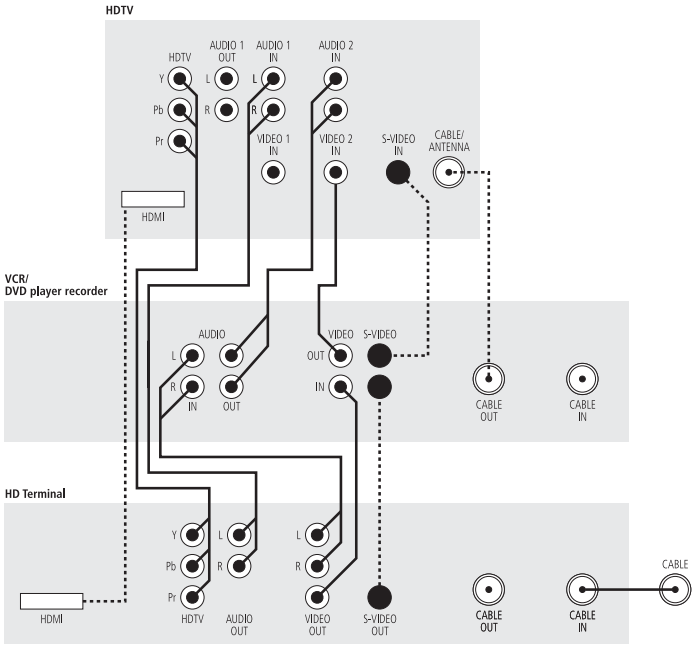
Notes:

- The best possible connection with the cables supplied is illustrated by the solid lines. The dotted lines represent viable options, however.
- Although the back of the terminals differ from one model to another, and the plugs can be in a different place, the connection is done in the same way.
- You should turn the illico terminal volume all the way up and adjust the volume on the TV to your taste. For explanations, see the "Volume adjustment" section of this guide.
- On some first-generation HD illico terminals, the HDMI plug is missing or has been replaced with a DVI plug.

CONNECTION NO. 4: HD TERMINAL + VCR OR DVD READER/WRITER

THIS CONNECTION WILL ALLOW YOU TO…

A. Watch the channel or service of your choice;
B. Record a program while watching it;
C. Record a program during your absence;
D. Watch a videocassette, DVD or pre-recorded program.



Notes:

- The best possible connection with the cables supplied is illustrated by the solid lines. The dotted lines represent viable options, however.
- Although the back of the terminals differ from one model to another, and the plugs can be in a different place, the connection is done in the same way.
- You should turn the illico terminal volume all the way up and adjust the volume on the TV to your taste. For explanations, see the "Volume adjustment" section of this guide.
- On some first-generation HD illico terminals, the HDMI plug is missing or has been replaced with a DVI plug.

A. TO WATCH THE CHANNEL OR SERVICE OF YOUR CHOICE:

1. Press **CBL** on the remote control to turn on the illico terminal.
2. Turn on the VCR or DVD reader/writer.
3. Select the **VIDEO/AUDIO** or **S-VIDEO** or **HD** input on the TV by pressing **INPUT SELECT**, **INPUT**, **AUX**, **AVX** or **TV/VIDEO** on the TV remote control.
4. Select the **LINE** input on the VCR or DVD reader/writer by pressing **LINE**, **AUX**, **AV** or **CAM** on the VCR or DVD reader/writer, or by tuning in to channel **00**, **01**, **91** or **99**, depending on your VCR or DVD reader/writer **LINE/TUNER** switch.
5. Use the illico terminal remote control to tune in to the channel or service of your choice. This will allow you to hear your programs in stereo.

B. TO RECORD THE PROGRAM YOU ARE WATCHING:

1. Follow the instructions for the previous step to watch the channel of your choice.
2. Start recording by pushing **REC** on the VCR or DVD reader/writer.
3. Adjust the volume on the TV.

C. TO RECORD A PROGRAM DURING YOUR ABSENCE:

1. Turn the illico terminal volume all the way up.
2. Push the illico remote control's **SETTINGS** button twice. Move the cursor to the **RECORDING** option and follow the on-screen instructions. You can program the illico terminal to automatically record different channels at different times.
   Example: Channel 25 Tues. Aug. 29 from 8 to 9 a.m. Channel 35 Tues. Aug. 29 from 1:30 to 3 p.m.
3. Use the TIMER feature on your VCR or DVD reader/writer to start recording at the desired time. Refer to the above example to program the TIMER as follows:
   Example: A/V (LINE) channel Tues. Aug. 29 from 8 to 9 a.m. A/V (LINE) channel Tues. Aug. 29 from 1:30 to 3 p.m.

D. TO WATCH A VIDEOCASSETTE, DVD OR PRE-RECORDED PROGRAM:

1. Turn on the TV and VCR or DVD reader/writer.
2. Select the **VIDEO/AUDIO** or **S-VIDEO** or **HD** input on the TV by pressing **INPUT SELECT**, **INPUT**, **AUX**, **AVX** or **TV/VIDEO** on the TV remote control.
3. Start the videocassette or DVD (by pressing **PLAY**).
4. Adjust the volume on the TV or stereo tuner, depending on your connection.

NOTE: This connection allows you to watch one channel and to watch or record a videocassette or DVD in stereo. In digital, to enjoy stereo sound through your stereo system, the TV and VCR or DVD recorder must both be turned on. In addition, the appropriate TV (VIDEO/AUDIO) input and VCR **LINE** input must be selected. Press **INPUT SELECT**, **INPUT**, **AUX**, **AVX** or **TV/VIDEO** on the TV and VCR remote controls. On some TV and VCR or DVD recorder models, you will have to select one of the following channels: **00**, **01**, **91** or **99**. (Some models have a **MONITOR**, **A/V** or **AUX** switch.)

When you select the **VIDEO** or **LINE** input on the TV, VCR or DVD reader/writer, the stereo indicator light does not come on, but you will still be able to get stereo sound.

CONNECTION NO. 5: TERMINAL + SURVEILLANCE CAMERA

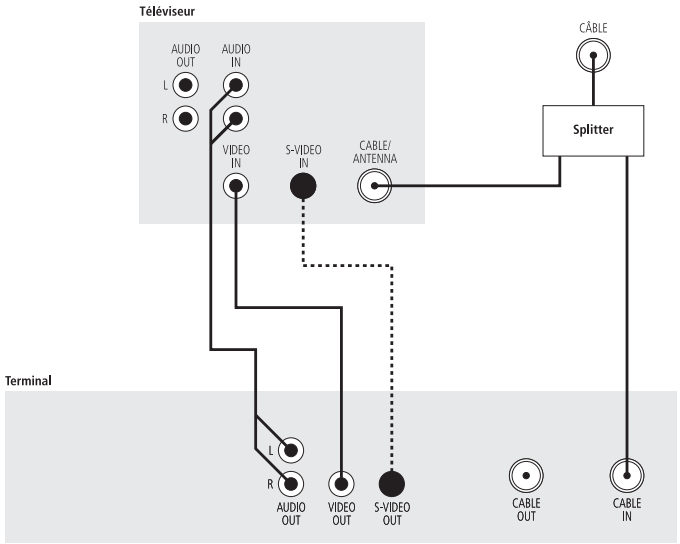
ALL OF THE TERMINALS ALLOW VIEWING OF IMAGES TRANSMITTED BY YOUR BUILDING'S SURVEILLANCE CAMERAS.

- On any terminal other than the Explorer 940, Explorer 1800 and Pace 501, simply tune your receiver to channel 950.
- For the three above-mentioned terminals, you will need to add a splitter and connect it as follows:

CONNECTION WITH SURVEILLANCE CAMERA FOR EXPLORER 940, EXPLORER 1800 AND PACE 501 TERMINAL ONLY

THIS CONNECTION WILL ALLOW YOU TO…

Watch the channel or service of your choice,
Watch the images transmitted by the surveillance camera.



Notes:

- The best possible connection with the cables supplied is illustrated by the solid lines. The dotted lines represent viable options, however.
- Although the back of the terminals differ from one model to another, and the plugs can be in a different place, the connection is done in the same way.
- You should turn the illico terminal volume all the way up and adjust the volume on the TV to your taste. For explanations, see the "Volume adjustment" section of this guide.

SURVEILLANCE CAMERAS

TO WATCH THE CHANNEL OR SERVICE OF YOUR CHOICE:

1. Turn on the illico terminal by pressing **CBL** on the remote control.
2. Turn on your TV and select the **VIDEO/AUDIO** or **S-VIDEO** input by pressing **INPUT SELECT**, **INPUT**, **AUX**, **AVX** or **TV/VIDEO** on the TV remote control.
3. Use the illico terminal remote control to tune in to the channel or service of your choice. This will allow you to hear your programs in stereo.

TO WATCH THE IMAGES TRANSMITTED BY THE SURVEILLANCE CAMERAS:

1. Turn on your TV and select the **TV** input by pressing **INPUT SELECT**, **INPUT**, **AUX**, **AVX** or **TV/VIDEO** on the TV remote control.
2. Use the TV remote control to tune in to Channel 78. This will allow you to watch the images transmitted by the surveillance cameras.

The features available while watching a movie on illico on Demand are the same as for a VCR. This means:

1. **Pause**
2. **Resume watching**
3. **Rewind**
4. **Fast forward**
5. **Stop**

ORDERING A MOVIE

1. Put the **VCR/VOD** illico terminal button in the **VOD** mode.
2. Press . Once the interactive menu comes on, select illico on Demand and push **SELECT**, or tune in to channel 900.
3. Choose a category or a subcategory and a title and push **SELECT** after each choice.
4. Push **SELECT** to order the movie, enter your PIN and push **SELECT**. The default PIN is 0000.
5. Press **PLAY** to confirm the order and start the movie. **To cancel the order** at this point, press **C**. Once past this step, the movie rental cannot be cancelled.

TO RESUME WATCHING

1. In the **VOD** menu, select **Resume Viewing** and press **SELECT**.
2. Choose the title and press **SELECT**; the movie will start where you left off.
3. To watch the movie from the beginning, press **REWIND**.
4. To exit illico on Demand, press **EXIT**.

The time indicated next to a title shows the time remaining on your rental.

ACTIVATING PARENTAL CONTROL

TO BLOCK OUT MOVIES BASED ON THEIR TYPE

1. Push **SETTINGS** twice.
2. Select BLOCK: Rating and push **SELECT**.
3. Enter your parental PIN (the default PIN is 0000) and follow the instructions on the screen.
4. You can block one or more movie ratings to avoid unpleasant surprises.

INTERACTIVE PROGRAM GUIDE

Press the **GUIDE** button and the Interactive Program Guide (IPG) displays the list of upcoming programs for the next days. These programs can be sorted by **channel**, **theme** or **title**.

The digital terminal cannot display both a standard and a HD video at the same time. When watching a HD-formatted TV program and calling the **IPG**, the top right video will therefore be replaced by a black shape.

HOW TO BROWSE BY CHANNEL

1. Press **GUIDE**; the program you are watching is highlighted.
2. Use the and arrows to move through the channels, and the and arrows to move through the time slots.

HOW TO BROWSE BY THEME

1. When the guide is on screen, press , choose **Theme**, then press **SELECT**.
2. Press the arrow, choose a theme and press **SELECT**.
3. Use the and arrows to move through the titles.

HOW TO BROWSE BY TITLE

1. When the guide is on screen, press , choose **Title**, then press **SELECT**.
2. Press the , choose the first letter of the program in question and press **SELECT**.
3. Use the and arrows to move through the titles.
   - **To tune the selected program in the current time slot**, highlight it and press **SELECT**.
   - **To view the schedule for the next days**, press , highlight the date for the available day, then press **SELECT**.

At any time, you can press the **INFO** button twice for more information on the selected program.
After browsing through the IPG, press to go back to where you started.

HOW TO SCHEDULE A REMINDER

1. Press **GUIDE**, highlight a program and press **SELECT**.
2. Highlight **Set a Reminder** and press **SELECT**; the chosen title is now in green.

PARENTAL CONTROL

With the parental control feature, you can block:

1. **Certain viewing times**
2. **Specific channels**
3. **Some types of programs**

All you need is your PIN!

TO BLOCK VIEWING TIMES

1. Press **SETTINGS** twice, select BLOCK: TIME NEW and press **SELECT**.
2. Determine blocked times by following the instructions on screen.

TO BLOCK CHANNELS

1. Press **SETTINGS** twice, select BLOCK: CHANNELS and press **SELECT**.
2. Determine blocked channels by following the instructions on screen.

TO BLOCK TYPES OF PROGRAMS

1. Press **SETTINGS** twice, select BLOCK: Rating and press **SELECT**.
2. Determine blocked types of programs by following the instructions on screen.

ACTIVATING PARENTAL CONTROL

Once you have determined the channels, times and types of programs to be blocked, you need to activate the parental control feature by following the steps below:

1. Press **SETTINGS** twice, select BLOCK: PIN, choose the ENABLE feature and press **SELECT**.
2. Press and enter your PIN.

TO DEACTIVATE THIS FEATURE, FOLLOW THE INSTRUCTIONS BELOW:

1. Press **SETTINGS** twice, select BLOCK: PIN, choose DISABLE and press **SELECT**.
2. Press and enter your PIN to disable (or change) the feature.
3. At this step, you can also change your PIN by selecting CHANGE.

You can also unblock access to a blocked channel by tuning it in and following the instructions on the screen.

Note: Your default PIN is 0000.

AUDIO SIGNAL EMITTED BY YOUR TERMINAL

By adjusting the volume on your TV, you determine the loudness of the sound coming from your speakers. With illico, however, the VOLUME feature adjusts the power of the audio signal coming from your terminal. This signal then enters your TV or audio system at the programmed level. This is why it is important to keep the power of the audio signal coming from your illico terminal at maximum level.

PROGRAMMING YOUR REMOTE CONTROL

You must program your illico remote control to control the sound from the TV speakers rather than the power of the audio signal coming from the terminal. To do so, you first need to program your remote control to turn the TV on/off. Then depending on the model, follow the instructions for programming the remote control to control the TV volume (reference: remote control section of this guide).

SETTING ILLICO LEVELS FOR BETTER SOUND QUALITY

There are three main settings.

To access the general settings menu, press **SETTINGS** twice on your illico remote control. Once in the GENERAL SETTINGS menu, follow the instructions below:

A. In the menu on the left, select AUDIO: DIGITAL OUT using the up/down arrows. Go to the right and, using the arrows again, select DOLBY DIGITAL. Press to confirm your selection.
B. In the menu on the left, select AUDIO: RANGE using the up/down arrows. Go to the right and, using the arrows again, select NARROW. Press to confirm your selection.
C. In the menu on the left, select AUDIO: VOLUME CTRL using the up/down arrows. Go to the right and, using the arrows again, select FIXED. Press to confirm your selection.

Naturally, for impeccable sound quality, your TV or home theatre speakers have to be in good condition. Also, be sure to use top-quality speaker wires. In addition, if your home theatre has an AC-3 input, we recommend you use it because illico is AC-3 enabled. If you are watching a program in this format, you will get superior quality sound, provided your equipment has been set accordingly.

PAY-PER-VIEW

Indigo and **Viewer's Choice** feature uninterrupted films and special events that can be ordered at any time using the IPG. Charges for these programs will appear on your next month's bill.

- Channel 300 is the preview channel for **Indigo**, and 350, that for **Viewer's Choice**. Watch these channels for an overview of current and upcoming films.

HOW TO ORDER A FILM OR EVENT

- Press GUIDE and browse through the 300 series channels to see the featured titles. Highlight the title that interests you, press **SELECT** and follow the on-screen instructions.
  or
- Tune in to the channel broadcasting the film and follow the on-screen instructions.

HOW TO CANCEL A FILM OR EVENT

- Press **SETTINGS** twice to call up the **General Settings** screen. Select PPV: Purchases. Press **SELECT** and enter your **PIN**. Choose the film or event you wish to cancel. Press **SELECT** to cancel, then to confirm cancellation.

PPV PIN: To order a film or event, you must enter a PIN. The default PIN is 0000. We recommend that you change your PIN upon placing your first order. To do so, you need only enter a new 4-digit PIN when the PIN window appears on screen.

If you forgot your PIN, contact Customer Technical Support (see page 54).

PARENTAL CONTROL

Parental control is accessed through the Pay-per-View feature (TALC). Consult the relevant section on page 42 for further details.

QUICK SETTINGS

The **Quick Settings** screen displays the most frequently used functions and settings:

- Add a channel to (or remove it from) your Favourites list
- Turn Parental Control ON/OFF
- Start recording
- Set Sleep Timer
- Set SAP (Second Audio Program) language
- Switch Caption OFF/ON (Explorer® 3100HD, Pace 550HD et Pace 551HD)
- Switch Caption OFF/ON or ON with Mute (Explorer® 3250HD)
- Block or unblock the current channel
- Set Picture Size (HD terminals only)

HOW TO DISPLAY QUICK SETTINGS

1. Press the **SETTINGS** key once to display the **Quick Settings** screen, highlight an option, and press **SELECT** to modify it.
2. Press the **EXIT** key to leave **Quick Settings** and return to the current channel.

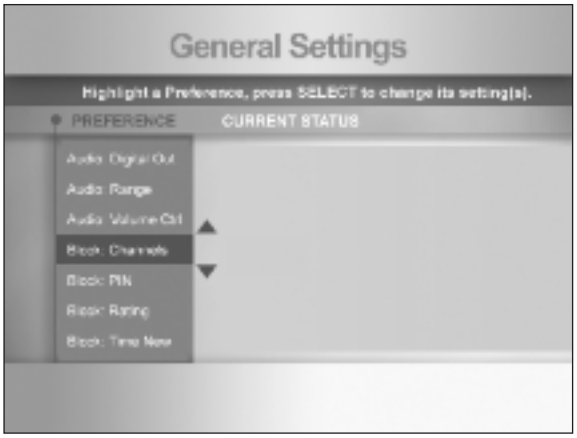
For more information on the options available in Quick Settings, press the SETTINGS key twice to display the General Settings screen, highlight an option, and press the **INFO** key.

GENERAL SETTINGS

The General Settings screen lets you customize the terminal's display features and set the timers.

- Press the **SETTINGS** key twice, highlight an option, and press the **INFO** key to see what the option does.

Options
Audio: Digital Out
Audio: Range
Audio: Volume Ctrl
Block: Channels
Block: PIN
Block: Rating
Block: Time New
CC: Background*
CC: Characters*
CC: Options*
CC: Source*
Display: Power Off
Display: Power On
Language: Audio
Language: Keyboard



Options
Language: Screen
Purchase: PIN PPV: Purchases
Set: A-C Outlet
Set: Color Scheme
Set: Output Chan
Set: VCR Commander
Timer: All
Timer: Rewind New
Timer: Sleep
Timer: Turn Off
Timer: VCR New
Timer: Wake-Up
Viewer: Favourites
Viewer: Power On
** HD terminals only*

FREQUENTLY ASKED QUESTIONS

TERMINAL

My terminal feels hot, is this normal?
Yes, because the electronic components inside generate a lot of heat. To prevent overheating, avoid blocking the air vents on the top and sides and do not place the terminal in enclosed furniture.

Can I leave my terminal on all the time?
Yes, but we recommend turning it off after use.

FUNCTIONS

The TV program guide no longer displays data
Change the terminal Display language and return to the initial language when the problem is solved. To change the Display language, press SETTINGS twice and select Language: Screen on the General Settings screen options menu.

The sound does not match the program I'm watching
Make sure that the SAP (Second Audio Program) setting on the television set is disabled and that the SAP setting on your terminal corresponds to your chosen language.

Does the terminal show subtitles of programs encoded for the hearing impaired?
Yes, standard terminals relay the data to your closed-captioning decoding equipment (ex.: your TV). HD terminals, on the other hand, process the data for closed captioning and transmit the result to your television.

PERIPHERALS

Can I use a DVD player or DVD recorder with the terminal?
Yes. A DVD player should work independently from the terminal and be connected directly to the television. A DVD recorder, on the other hand, is connected to the terminal much like a VCR.

Is the VCR+ function on the VCR of any use with the terminal?
No, this function is only used to record the analog signal.

What connects to the USB port and what is it for?
USB is a computer standard. The port is used to connect peripheral devices: keyboard, mouse, scanner, printer, diskette storage drive. At this time, the USB port on the terminal is not operational but it will be in the near future.

VCR Commander, IR Blaster and IR Receiver
VCR Commander and IR Blaster are infrared transmitters that make it easier to record programs.

- Explorer 2000 : compatible with VCR Commander
- Other Explorer models: compatible with IR Blaster
- PACE terminals: IR Receiver.

REMOTE CONTROL

Can I turn on my TV and the terminal at the same time?
Yes, but if your TV is an older model, you will have to connect the TV to the CA output on the back of the terminal.

- Press the SETTINGS button twice on the terminal's keyboard or remote control.
- Select Settings: CA output and press SELECT.
- Select "Avec le terminal" (with the terminal), press SELECT and SETTINGS.

SOUND AND IMAGE

Poor picture reception
In most cases, simply re-initializing the terminal re-establishes the service. To re-initialize, you need to turn off the terminal, disconnect it from the wall outlet, and then reconnect it. Wait 5 minutes, restart the terminal and tune in to a channel. If the problem persists, please contact Technical Support.

What gets connected to the S-VIDEO output and what is it for?
It is used to connect a VCR or TV equipped with an S-VIDEO input. This connector separates colours and brightness, which enhances image quality. You need to purchase a cable in order to use it.

Does the terminal support the Second Audio Program (SAP) function?
Yes. The terminal can convert SAP even though very few programs are designed to support this function.

Can I take advantage of AC-3 technology with the terminal?
Yes, but you need an AC-3 decoder. This decoder is usually built into newer, high-end sound systems or home theatre systems. The illico terminal relays the information (Digital Audio Out connector) but does not decode it.

SURVEILLANCE CAMERAS

In analog mode, I used to have access to my building's surveillance cameras. Is this still possible?
Yes, but you should tune to channel 950. However, for the Explorer 940 and 1800, and the Pace 501 terminals, please follow the instructions on page 37.

FREQUENTLY ASKED QUESTIONS

FRONT PANEL DISPLAY

Can I change the time shown on the front of the terminal?
No, the time shown reflects the terminal's internal clock. However, depending on the screen language setting, it can be displayed in the 24-hour system (French) or the 12-hour system (English).

Modifying the time format displayed on the front of the terminal
- Press the SETTINGS button twice on the remote control or wireless keyboard.
- Select Language: Screen and press SELECT.
- Select English or Spanish for the 12-hour format and French for the 24-hour format, and then press SELECT and SETTINGS.

The words NON AUTORISÉ or NOT AUTHORIZED are displayed on some of my service channels
If this problem occurs, please contact Technical Support.

The letters REC are on the front display panel of the digital terminal, and the terminal is no longer responding to commands. What should i do?
The letters REC are displayed when a program is being recorded. In this case, the terminal is locked automatically so as not to interrupt the recording in progress. Press the EXIT key to unlock the terminal.

PAY-PER-VIEW AND PIN

I ordered an Indigo movie and the terminal asked me to enter a 4-digit PIN. What is it for?
This PIN is a security feature. Only individuals who know the PIN can order a movie or an event. All subscribers have the default PIN 0000; it is a good idea to change the PIN regularly.

Ordering a movie with illico
1. Tune in to Channel 350 (VCC trailers) and press Guide on the keyboard or remote control.
2. Select a time slot and scroll the movies broadcast during this period.
3. Select a title and press SELECT twice.
4. Press B and enter your PIN. The default PIN is 0000.

Note: You can order movies up to 4 hours in advance and events up to 7 days in advance.

Forgot your illico PIN
If you have never changed your PIN, enter 0000, which is the default PIN. If you have already changed it, you will have to contact Customer Service.

The telephone numbers for **Customer Service** and **Customer Technical Support** are listed on page 54.

REMOTE CONTROL SETUP CODES FOR E2050-ER1

TV

Admiral – 107
Adventura – 060
Aiko – 106
Akai – 044
Alaron – 193
Ambassador – 191
Anam – 194, 069
AOC – 033, 044, 199
Audiovox – 106, 194, 465
Baysonic – 194
Belcor – 033
Bell & Howell – 030, 168
Bradford – 194
Brocksonic – 250, 477
Candle – 066, 044, 070
Carnivale – 044
Carver – 068
Celebrity – 014
Cineral – 106, 465
Citizen – 060, 044, 070, 074, 106
Concerto – 070
Contec – 194
Craig – 194
Crosley – 068
Crown – 194
Curtis Mathes – 180, 030, 044, 061, 065, 068, 070, 074, 107, 159, 168, 465
CXC – 194
Daewoo – 106, 465
Denon – 159
Dumont – 031
Electroband – 014
Emerson – 250, 168, 191, 192, 193, 194, 296, 477
Envision – 044
Fisher – 168
Fujitsu – 193
Funai – 185, 193, 194
Futuretech – 194
GE – 035, 061, 065, 107, 149, 192, 296, 465
Gilbrater – 031, 044
Goldstar (LG) – 044, 070, 192
Gradiente – 067, 070
Grunpy – 193, 194
Hallmark – 192
Harley Davidson – 193
Havard – 194
Hitachi – 070, 159
Infinity – 068
Inteq – 031
Janeil – 060
JBL – 068
JCB – 014
JVC – 067
KEC – 194
Kenwood – 044
Kloss – 060
KTV – 044, 194
LG – 070
Logik – 030
Luxman – 070
LXI – 061, 068, 168, 170, 192
Magnavox (Philips) – 044, 068,193
Majestic – 030
Marantz – 044, 068
Matsushita – 264
Megatron – 159, 192
Memorex – 030, 070, 164, 168, 192, 264
MGA – 044, 164,192
Midland – 031, 061, 065, 149
Minutz – 035
Mitsubishi – 107, 164, 192
Motorola – 107
MTC – 044, 070, 074
Multitech – 194
NAD – 180, 170, 192
NEC – 044, 070
Nikko – 044, 106, 192
NTC – 106
Onwa – 194
Optimus – 180, 168, 264
Optonica – 179, 107
Orion – 250, 193, 477
Panasonic – 065, 264
Penney – 035, 044, 061, 065, 070, 074, 149, 170, 192
Philco – 044, 068, 159, 477
Philips – 068
Pilot – 044
Pioneer – 180
Portland – 106
Prism – 065
Proscan – 061
Proton – 192
Pulsar – 031
Quasar – 179, 065, 264
Radio Shack – 179, 044, 061, 070, 168, 192, 194
RCA – 061, 104, 149, 065, 107
Realistic – 179, 044, 070, 192, 168, 194
Runco – 053
Sampo – 044
Samsung – 044, 070, 074, 192
Sansei – 465
Sansui – 477
Sanyo – 168
Scotch – 192
Scott – 250, 192, 193, 194
Sears – 061, 068, 070, 168, 170, 185, 192, 193
Semivox – 194
Semp – 170
Sharp – 179, 107
Signature – 030
Sony – 014
Soundesign – 192, 193, 194
Squareview – 185
SSS – 194
Starlite – 194
SupregMacy – 060
Supreme – 014
Symphonic – 185
Sylvania – 044, 068
Tandy – 107
Tatung – 069
Technics – 065, 264
Technol Ace – 193
Techwood – 065, 070
Teknika – 030, 068, 070, 074, 106, 164, 193, 194
Telefunken – 070
TMK – 070, 191, 192
Toshiba – 074, 168, 170
Vector Research – 044
Victor – 067
Vidikron – 068
Vidtech – 192
Viking – 060
Wards – 030, 179, 035, 044, 070, 192, 193, 068
Yamaha – 044
Zenith – 030, 031, 106

If you have a remote control with a green display, it requires a four-character code. You will therefore need to add a zero at the beginning of the code.

LIST OF CODES

VCR

Admiral – 062
Adventura – 014
Aiko – 292
Aiwa – 014, 051
Akai – 055, 075, 120
American High – 049
Asha – 254
Audiovox – 051
Beaumark – 254
Bell & Howell – 118
Broksonic – 016, 135, 198, 225
Calix – 051
Canon – 049
Carver – 095
CCE – 086, 292
Cineral – 292
Citizen – 051, 292
Colt – 086
Craig – 051, 061, 086, 254
Curtis Mathes – 049, 055, 074, 176
Cybernex – 254
Daewoo – 059, 292
Denon – 056
Dynatech – 014
Electrohome – 051
Electrophonic – 051
Emerex – 046
Emerson – 014, 016, 051, 057, 075, 135, 198, 222, 225, 226, 292
Fisher – 061, 068, 118
Fuji – 047, 049
Funai – 014
Garrard – 014
GE – 062, 049, 074, 254
GoldStar (LG) – 051, 052
Gradiente – 014
Harley Davidson – 014
Harman/Kardon – 052
Harwood – 086
Headquarter – 060
HI-Q – 061
Hitachi – 014, 055, 056, 119
Jensen – 055
JVC – 081, 055
KEC – 051, 292
Kenwood – 081, 052, 055
KLH – 086
Kodak – 049, 051
Lloyd's – 014, 222
Logik – 086
LXI – 051
Magnasonic – 292
Magnavox (Philips) – 014, 049, 053, 095
Magnin – 254
Marantz – 049, 095
Marta – 051
Matsui – 094, 368
Matsushita – 049, 176
MEI – 049
Memorex – 060, 062, 014, 049, 051, 053, 061, 118, 176, 254
MGA (Mitsubishi) – 057, 075, 254
MGN Technology – 254
Minolta – 056, 119
Mitsubishi (MGA) – 081, 062, 057, 075
Motorola – 062, 049
MTC – 014, 254
Multitech – 014, 086
NEC – 081, 052, 055, 118
Nikko – 051
Noblex – 254
Olympus – 049
Optimus – 062, 051, 118, 176
Orion – 016, 198
Panasonic – 049, 176
Penney – 049, 051, 052, 056, 068, 254
Pentax – 056, 119
Philco – 049
Philips (Magnavox) – 049, 095
Pilot – 051
Pioneer – 081, 176
Profitronic – 254
Proscan – 086
Protec – 086
Pulsar – 053
Quarter – 060
Quartz – 060
Quasar – 049, 176
Radio Shack – 014, 051
Radix – 051
Randex – 051
RCA – 062, 049, 056, 074, 119, 120, 254
Realistic – 060, 062, 014, 049, 051, 061, 118
Runco – 053
Samsung – 059, 254
Sanky – 062, 053
Sansui – 081, 014, 055
Sanyo – 060, 061, 118, 254
Scott – 057, 059, 135, 198, 255, 226
Sears – 060, 014, 049, 051, 056, 061, 068, 118, 119
Semp – 059
Sharp – 062
Shintom – 086
Shogun – 254
Singer – 086
Sony – 047, 014, 046, 048, 049
STS – 056
Sylvania – 014, 049, 057, 095
Symphonic – 014
Tashiko – 051, 331
Tatung – 055
Teac – 014, 055
Technics – 049, 176
Teknika – 014, 049, 051
Thomas – 014
TMK – 222, 254
Toshiba – 057, 059, 226
Totevision – 051, 254
Unitech – 254
Vector – 059
Vector Research – 052
Video Concepts – 059, 075
Videosonic – 254
Wards – 062, 014, 049, 056, 061, 074, 086, 095, 226, 254
White Westinghouse – 292
XR-1000 – 014, 049, 086
Yamaha – 052
Zenith – 014, 047, 053

REMOTE CONTROL SETUP CODES FOR RT-U43C0

TV

Admiral – 058, 061, 062, 067
Adventura – 004
Aiwa – 135
Akai – 065
Amark – 007, 086
Ampro – 112
Amstrad – 006
Anam – 088, 089, 093, 111, 120, 125, 134
AOC – 065
Audiovox – 111
Belcor – 041
Bell & Howell – 062
Brocksonic – 011, 054
Brockwood – 041
Candle – 027, 052
Centurion – 044, 051
Citizen – 027, 052, 059, 062
Concerto – 041, 051
Contec – 020
Coronado – 007
Craig – 134
Crown – 007
Curtis Mathes – 044, 061, 062
Daewoo – 027, 039, 040, 041, 042, 051, 090, 091, 092, 094, 101,102, 108, 114, 118, 121, 123, 130
Daytron – 041, 044, 051
Dumont – 041
Electro Home – 041, 051
Elektra – 002
Emerson – 007, 008, 011, 012, 017, 054, 065, 079, 108, 110, 131
Envision – 041, 051
Fisher – 010, 028
Funai – 004
GE – 005, 019, 027, 031, 037, 041, 046, 051, 053, 055, 061, 070, 131
Gibralta – 007, 025, 027, 031, 041, 044, 051, 059, 060, 065
Goldstar (LG) – 007, 027, 031, 041, 044, 059, 060, 065, 124
Grundig – 059
Hall Mark – 041, 051
Hitachi – 007, 027, 049, 051, 083, 085, 098, 100
Inkel – 075
JC Penney – 005, 010, 027, 037, 041, 051, 065, 069, 070
JVC – 048, 077, 080, 132
Kawasho – 041, 051
KMC – 007
KTV – 007, 030, 059, 065
Kurazai – 062
Lodgenet – 062
Logik – 062
Luxman – 027, 041, 051
LXI – 006, 035, 067
Magnavox (Philips) – 001, 005, 007, 014, 026, 027, 041, 052, 068, 081
Majestic – 062
Marantz – 003, 065, 076
Megatron – 086
Memorex – 010, 031, 062
MGA/Mitsubishi – 003, 027, 031, 041, 044, 051, 065, 076, 084
Montgomery Ward – 007, 037, 044, 057, 058, 062, 065, 067, 081
NEC – 023, 027, 031, 044, 101
Orion – 013, 017, 033, 045, 047, 078
Panasonic – 018, 019, 021, 024, 053, 063
Philco – 001, 007, 027, 052, 065, 081
Philips (Magnavox) – 001, 005, 007, 014, 026, 027, 041, 052, 068, 081
Pilot – 041, 059, 097
Pioneer – 056, 103
Portland – 007, 027
Proscan – 055, 061, 073, 082, 112
Proton – 031, 126, 128
Pulsar – 041
Quasar – 019
Radio Shack – 041
Realistic – 012, 057, 079
RCA – 022, 027, 046, 053, 055, 061, 065, 072, 073, 082
Sampo – 031, 044
Samsung – 007, 016, 020, 031, 044, 119, 129
Sanyo – 002, 010, 028, 104, 133
Scott – 031, 044, 079
Sears – 002, 007, 010, 016, 027, 028, 043, 069
Sharp – 007, 009, 023, 035, 057, 064, 067, 096
Signature 2000 – 007, 044, 058, 062, 067
Sony – 032, 038, 050, 066
Soundesign – 052
Squareview – 006
Supre-Macy – 071
Sylvania – 001, 005, 006, 026, 027, 031, 044, 052, 081, 108
Symphonic – 004, 006
Tatung – 019
Techwood – 027
Teknika – 001, 007, 027, 052, 062, 079
Telerent – 007, 062
TMK – 027, 031
Tera – 127
Toshiba – 016, 029, 043, 069
Totevision – 059
Universal – 027, 070
Vidtech – 027
Wards – 027, 031
White Westinghouse – 058
XR-1000 – 062
Yamaha – 027
York – 031, 044
Zenith – 004, 015, 025, 034, 036

VCR

Admiral – 014, 056
Adventura – 025
Aiwa – 025, 106
Akai – 011, 021, 051, 092, 098, 103
Audio Dynamics – 007, 044
Bell & Howell – 005, 024
Broksonic – 009, 048, 053, 064
Canon – 008, 034, 105
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FOR HD CONTENT, TUNE INTO
CHANNELS 600 AND UP.

SETUP

Refer to the appropriate section in order to configure your terminal. The settings you choose on your **HD** terminal will directly influence the picture quality you obtain. To configure Scientific Atlanta models, follow the instructions in the Setup Wizard user or HDMI guide. For PACE® models, refer to the instructions on page 57 of this manual.

If you use **DVI** cables to connect your **HD** terminal to your TV, no further configuration is normally required. With this type of connector, the two devices automatically determine the optimal image resolution.

CONNECTORS

Three types of connector are available for **HDTV**: **HDMI**, **DVI cable** (on some models only) and **Component input**. You **must** use one of these connector types to obtain an image when viewing channels broadcast in high definition. They are **recommended** for SD content as well, in order to minimize the number of motion artifacts.

CONVERTING IMAGE FORMATS

One of the golden rules for obtaining optimal image quality is to keep the number of signal conversions to a minimum. While programs can be broadcast in different formats, depending on the channel, your television displays them only in its native format. In other words, a program's format may vary, but your television's format always stays the same – which means your television will inevitably have to convert the format of programs broadcast outside its native format.

Nevertheless, the number of conversions can be kept to a minimum. The format adjustment option on HD terminals lets you avoid unnecessary conversions. This is why you should know your television's native format: you can then set these terminals to the same format as your TV, so it always receives signals without performing an extra conversion.

INTRODUCING THE SETUP WIZARD

WHAT IS THE SETUP WIZARD?

The HDTV Setup Wizard is an on-screen program that helps you set up your high-definition terminal to receive the best picture quality that the HDTV supports.

BEFORE YOU BEGIN

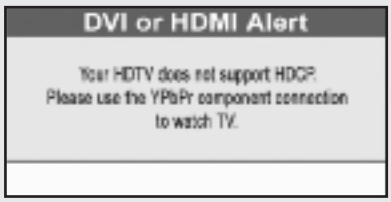
Before you begin to set up your HD terminal, you may want to have available the user guide that came with your HDTV for reference.

IS IT NECESSARY TO USE THE SETUP WIZARD?

Yes. Whether you have used the component (**Y**, **Pb** and **Pr**), **DVI** or **HDMI** connectors to link your HDTV to the HD terminal, the Setup Wizard will provide your system with the necessary flexibility to ensure that you obtain the best picture quality you can get at all times.

Notes:

- The analog Y, Pb, Pr ports become inactive when the HDTV is connected to the DVI or HDMI port.
- If the HDTV is connected to the DVI or HDMI port on the back of the set-top and you see this alert message on the screen, it means that the HDTV and the set-top are not compatible. If this occurs, reconnect the set-top to the Y, Pb, Pr ports on the set-top.



PICTURE FORMATS

WHAT IS THE DIFFERENCE BETWEEN A STANDARD SCREEN AND A WIDE SCREEN?

The type of screen your HDTV has (wide screen or standard screen) determines how the set-top displays programs on the screen. The picture format for an HDTV is a combination of aspect ratio and screen resolution and is different for standard-screen and wide-screen HDTVs.

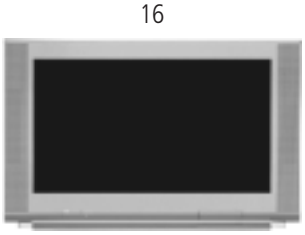
WHAT IS AN ASPECT RATIO?

An aspect ratio is the ratio of the width to the height of the TV screen. The aspect ratios differ because the television industry manufactures both standard-screen and wide-screen HDTVs to appeal to consumer viewing preferences.

A standard-screen HDTV has a 4:3 aspect ratio. The screen is 4 units wide for every 3 units tall.

Aspect Ratio: 4:3
Screen Resolution:
480p or 480i fill the screen

A wide-screen HDTV is one-third wider than a standard-screen HDTV. The screen is 16 units wide for every 9 units tall.



Aspect Ratio: 16:9
Screen Resolution:
720p or 1080i fill the screen

WHAT IS THE SCREEN RESOLUTION?

The screen resolution indicates the amount of detail that the picture displays. Resolution is identified by the number of display lines on the screen. The techniques that an HDTV uses to "paint" the picture on the screen are referred to as progressive and interlaced.

For example, a resolution of 1080i indicates that the screen shows 1080 lines in an interlaced display, and 480p means that the screen shows 480 lines in a progressive display.

Note: The screen resolution (1080i, 480p, etc.) is sometimes referred to as the scan rate. The terms are interchangeable.

With the **progressive method**, every pixel on the screen is refreshed simultaneously.

The **interlaced method** involves refreshing pixels in alternation – first the odd lines and then the even lines.

HOW DO I KNOW WHICH PICTURE FORMAT TO CHOOSE?

The type of screen your HDTV has determines how the set-top displays programs on the screen. The following examples show how programs will look when the picture format is set to **Normal** mode (not Stretch or Zoom modes).

Standard-screen HDTVs

On a wide-screen HDTV, these picture formats:	Automatically display in this manner:
480p or 480i standard	Full-screen format
720p or 1080i wide	Letterbox format

Wide-Screen HDTVs

On a wide-screen HDTV, these picture formats:	Automatically display in this manner:
480p or 480i standard	Pillarbox format
720p or 1080i wide	Full-screen format

SETTING UP YOUR HD TERMINAL WITH THE SETUP WIZARD

BEFORE YOU BEGIN TO SET UP YOUR HD TERMINAL USING THE SETUP WIZARD, THERE ARE TWO THINGS YOU NEED TO DO:

- Download the latest information to the set-top. (You only need to do this for the initial setup. After the initial setup,
  programming information is downloaded to the set-top automatically on a regular basis.)
- Prepare the set-top to send picture formats that your HDTV supports.

Download the latest programming information to the set-top

Assuming that you have linked your HDTV to the HD terminal using either the component (Y, Pb, Pr), DVI or HDMI connectors, complete the following steps to download latest software, programming, and service information to the set-top. (Be sure you have made a note of which video input port the set-top is connected to on the HDTV. For example: Video input port 6.)

Note: You only need to do this for the initial setup.

1. Plug the set-top and the TV into an AC power source.
2. Do not turn on the set-top or TV yet.
3. Wait until you see one of the following displays on the front of the set-top:
   - Current time
   - Four dashes (– – – –)

Important: If the display shows activity on the set-top, it means that the operating system of the terminal is being updated: this process may take several minutes. When the update is complete, the front panel displays the current time or four dashes (––––).

4. **STOP!** Before you turn on the TV or the set-top, you should have read the information in the Picture Formats section, earlier in this guide.

Prepare the set-top to send picture formats that your HDTV supports

If your HDTV displays a black screen when you turn it on, the set-top may be sending a picture format that your HDTV does not support. Prepare the set-top to send all picture formats that your HDTV supports. Later, while watching TV, you will be able to toggle among the different settings to select the format that provides the best picture quality for the program you are watching.

Complete these steps to prepare the set-top to deliver programming in the picture format settings that your HDTV supports.

Important: Before you start, read these instructions carefully. When you get to step 5, you have 20 seconds to begin selecting picture format settings. After 20 seconds, the set-top is no longer in the **Picture Format** mode. If this occurs, repeat this process, starting at step 2.

1. Refer to the user guide that came with your HDTV to find the picture formats that your HDTV supports.
2. If the set-top is turned off, press the **POWER** key to turn it on.
3. On the front of the set-top, press and hold the **SELECT** button until the message light blinks.
4. Then, press the **VOL–** key to indicate that you want to select a picture format setting. The LED display shows HdSr to indicate that the set-top is in the Picture Format mode for HDTV settings.
5. In the following table, find each of the picture formats that your HDTV supports. Then, press the corresponding buttons on the front panel of the set-top.

Note: If 1080i is one of the settings that your HDTV supports, we suggest you select it last. Then, when you turn on the TV to use the Setup Wizard, the picture format will be 1080i.

To select this picture format:	Press this button on the front panel:	The set-top briefly displays:	And then briefly displays:
480i	CH+	480i	SEt
720p	VOL–	720p	SEt
480p	CH–	480p	SEt
1080i	VOL+	1080	SEt

IS THERE MORE THAN ONE SETUP OPTION?

Yes. The Setup Wizard provides two options for selecting your screen type:

- If you choose the **Easy option**, the Setup Wizard automatically sets up the HDTV to receive programming in 1080i and 480i formats.
- If you choose the **Advanced option**, you can toggle through all the picture formats and select the formats that look best on the HDTV screen.

Note: Use the , and keys on the remote control to navigate through the Setup Wizard menus and options. You may want to have available the user guide that came with your HDTV for reference.

HOW DO I START THE SETUP WIZARD?

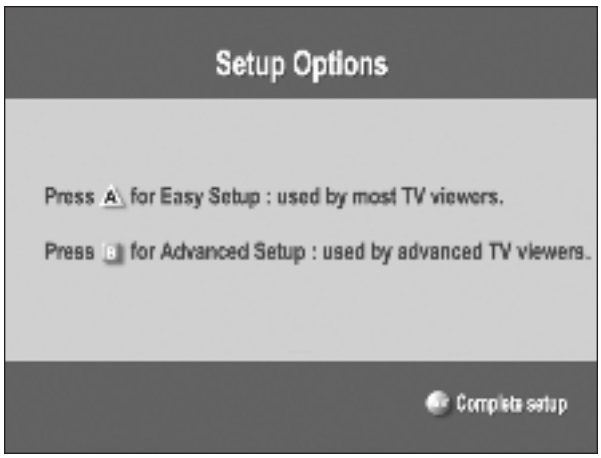
1. Make sure that the set-top is **off** and the HDTV is **on**.

2. Press the **GUIDE** and **INFO** keys at the same time.

SETUP WIZARD

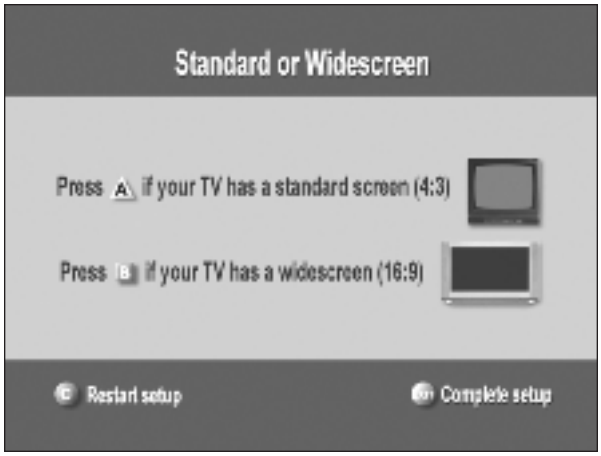
1. Press to start the setup.

2. Choose one of the following options:
   - To choose the **Easy Setup** option, press ; then, go to the **Easy Setup Instructions on page 65**.
   - To choose the **Advanced Setup** option, press ; then go to the **Advanced Setup Instructions**, on page 66.



EASY SETUP INSTRUCTIONS

1. Press or to select the type of TV screen you have.



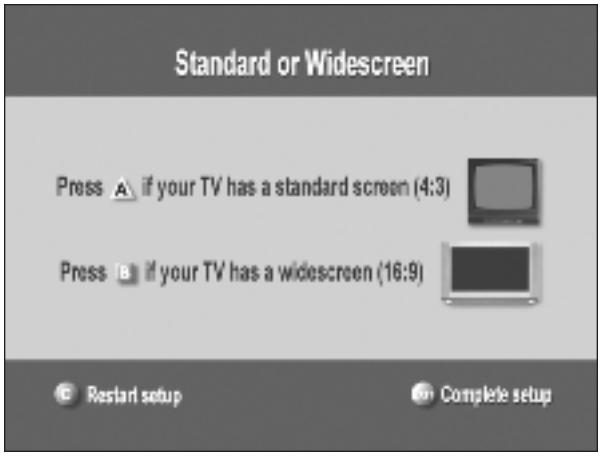
2. Press **POWER** to begin watching TV.

Notes:

- If you pressed , the setup is complete. The TV is set to receive programming in 1080i and 480i formats.
- If you pressed , proceed to next page.

ADVANCED SETUP INSTRUCTIONS

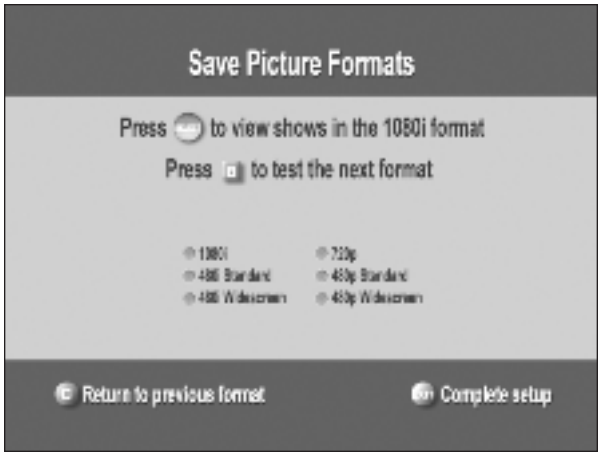
1. Press or to select the type of TV screen you have.



2. Press to see how various formats look on your TV screen.

3. Press SELECT to toggle between the Save and Remove options, or press to see how the next format looks on your TV screen.

Important: If you see a black screen, press again to view the next screen. Do not press **SELECT**. The black screen means that your TV does not support that particular format, so you do not want to select it.



4. After saving the picture formats, press **EXIT**. The setup is complete.
5. Press **POWER** to begin watching TV.

CHANGING THE SETTINGS WHILE WATCHING TV

Some channels are high-definition (HD) and some are not. To maximize viewing of non-HD channels, you can toggle between an HD scan rate (either 1080i or 720p) and a standard-definition scan rate (either 480i or 480p).

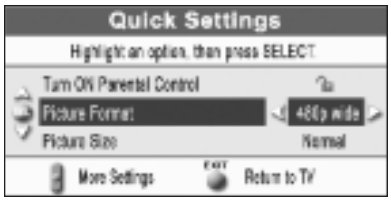
HOW DO I CHANGE THE PICTURE SIZE?

Standard-screen HDTV:
maximize viewing on non-HD channels.

Note: HD-channel programs automatically fill the entire HDTV 16:9 screen.

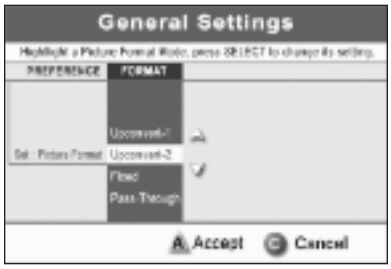
Wide-screen HDTV:
maximize viewing of any channel

1. Press **SETTINGS** to access the **Quick Settings** menu.
2. Scroll to **Picture Format** or **Picture Size**. (You will see the Picture Format only if the Set Picture Format is set to **Fixed** in the **General Settings** menu.)
3. Press or to view the options.
4. As you scroll through the options, notice how the picture on the screen changes.
5. Select the picture size and/or format of your choice.



HOW CAN I CHANGE HOW THE PICTURE LOOKS ON MY TV?

Press **SETTINGS** twice to display the **General Settings** menu. Then, choose one of the following options:



Fixed — The screen resolution you selected from the Setup Wizard can be seen in the Quick Settings menu. The screen resolution remains the same (fixed) until you change it.

Pass-Through — This option provides a built-in convenience factor. The set-top attempts to convert the signal of an incoming program to the best picture format for your HDTV screen. However, if you have not selected all the screen resolutions that are available, the screen resolution defaults to the best selection available based on the selections you made in the HDTV Setup Wizard.

Upconvert 1 and Upconvert 2 — The operation of these two options is similar to that of the Pass-Through option. See the Display Formats For Digital Sources table below.

Auto DVI or HDMI — If your HDTV is connected through the DVI or HDMI output, you will see this option and not the Pass-Through option. Incoming programming is automatically formatted to the scan rate supported by your HDTV.

DISPLAY FORMATS FOR DIGITAL SOURCES

The following table illustrates the relationship between the format option you chose, the signal the set-top receives, and how the picture is displayed on the TV screen.

If you chose this picture format option:	When the set-top receives this type of signal:	The picture is displayed on the HDTV screen in this format:
Fixed	All formats	1080i, 720p, 480i, 480p (Depending on your selections made in the Setup Wizard and Quick Settings menu)
Pass-Through	480i 480p 720p 1080i	480i 480p 720p 1080i
Upconvert 1	480i/480p 720p/1080i	480p 1080i
Upconvert 2	480i/480p 720p/1080i	480p 720p

CLOSED-CAPTIONING

WHAT IS CLOSED-CAPTIONING?

Closed-captioning is text on the TV screen related to the programming being viewed. What you see is an abbreviated version of the actors' dialogue and indications of important background sounds. For sporting events, closed-captioning provides realtime play-by-play descriptions from the announcers. Closed-captioning is provided for those requiring assistance understanding and enjoying sound.

DOES MY TV SUPPORT CLOSED-CAPTIONING?

Many TVs support closed-captioning through the RF and baseband inputs. When your HDTV-to-set-top connection is through the YPrPb port or the DVI port, closed-captioning is decoded and displayed by the HD terminal.

WHO PROVIDES CLOSED-CAPTIONING?

Several companies (sources) provide closed-captioning service to television networks and production companies for standard (analog) and digital programming.

Closed-captioning sources for standard (analog) programming

- **Std CC1** is the primary caption service for non-digital programming.
- **Std CC2** through **Std CC4** are text services that may contain different information, including alternate languages.
- **T1** through **T4** are text services that may also provide additional information from the closed-caption provider.

Closed-captioning sources for digital programming

- **Digital 1** is the primary caption source.
- **Digital 2** is the suggested choice for alternate languages.
- **Digital 3** through **Digital 6** are undefined at this time.

CHOOSE A CLOSED-CAPTIONING SOURCE

1. Press **SETTINGS** twice to access the **General Settings** menu.
2. Scroll to **CC: Source**.
3. Press to access the STD (analog) and digital source options.
4. Scroll through the options and select the recommended sources: **Std CC1** and **Digital 1**.

CONTROL THE AUDIO VOLUME WHILE CLOSED-CAPTIONING IS TURNED ON OR OFF

1. Press **SETTINGS** twice to access the General Settings menu.
2. Scroll to **Audio:Volume Ctrl**. There are two setting options:
   - **Fixed** – The Fixed setting controls the audio volume through the TV and enables you to have closed-captioning turned on or off while listening to the programming audio.
   - **Variable** – The Variable setting controls the audio volume through the set-top and enables you to have closed-captioning turned on or off while listening to the programming audio, or you can have closed-captioning on while the set-top audio is muted.
3. **SELECT** either the **Fixed** or **Variable** setting.

TURN CLOSED-CAPTIONING ON AND OFF

You can turn closed-captioning on and off at any time through the Quick Settings menu.

1. Press **SETTINGS** to access the **Quick Settings** menu while watching TV.
2. Turn caption on or off.
3. If you chose the **Fixed** setting for the audio volume:
   A. Scroll to **Caption Off/On**.
   B. Press to access the options.
   C. Scroll through the options and press **SELECT** to set your choice.
4. If you chose the **Variable** setting for the audio volume:
   A. Scroll to **Caption Off/On/On with Mute**.
   B. Press to access the options.
   C. Scroll through the options and press **SELECT** to set your choice.

CHANGE THE LOOK OF CLOSED-CAPTIONING

Depending on the program or caption provider, you may or may not be able to change how the closed-captioning looks on the TV screen.

1. Press **SETTINGS** twice to access the **General Settings** menu.
2. Scroll to **CC: Options**.
3. Press to access the **CAPTION STYLE** column.
   - If you select the **Set by Program** option, the style is set by the caption provider for each program, and you cannot change the settings.
   - If you select the **Set by Viewer** option, you can use the instructions in the remainder of this section of the guide to change the caption styles.

Note: You may be able to change the appearance of closed-captioning on most HD channels and on some digital channels using the procedures in this section. Closed-captioning on analog channels and on most digital channels appears on the screen with white letters on a black background, and the format can not be changed.

CHANGE THE BACKGROUND SHADING AND COLOUR

The following instructions make the following assumptions:

- You have accessed the **General Settings** menu by pressing **SETTINGS** twice.
- The caption style setting in the **General Settings** menu is **Set by Viewer**.

Change the background shading

1. Scroll to **CC: Background**.
2. Press to access the **Shading** column.
3. Press and to scroll through the options. There are five background shading options:
   - **Clear** — allows video to be seen behind the captions
   - **Slight** — shows both the background and the video behind it
   - **Solid** — hides the video behind the captions
   - **Flashing** — a solid background turning on and off at a rate determined by the caption provider
   - **Default** — the background is determined by the caption provider
4. **SELECT** your choice.

Change the background colour

1. Scroll to **CC: Background**.
2. Press to access the **Colour** column.
3. Press and to scroll through the several colour options.
4. **SELECT** your choice.

CHANGE THE SHADING AND COLOUR OF THE CHARACTERS

The shading and colour options for the text (characters) is the same as for the background shading and colour.

Change the Character Shading

1. Scroll to **CC: Characters**.
2. Press to access the **Shading** column.
3. Press and to scroll through the options.
4. **SELECT** your choice.

Change the Character Colour

1. Scroll to **CC: Characters**.
2. Press to access the **Colour** column.
3. Press and to scroll through the options.
4. **SELECT** your choice.

CHANGE STYLE OF THE CHARACTERS

There are eight font styles to choose from, and they are numbered Style 1 through Style 8. The styles may not look the same on all TVs. Select the different fonts to see how they look on your TV.

Change the text style

1. Scroll to **CC: Characters**.
2. Press to access the **Style** column.
3. Press and to scroll through the options.
4. **SELECT** your choice.

Change the text size

1. Scroll to **CC: Options**.
2. Press to access the **Text Size** column.
3. Press and to scroll through the options (Small Text, Medium Text, Large Text, Default).
4. **SELECT** your choice.

RECORD HD PROGRAMS WITH CLOSED-CAPTIONING

If the program contains closed-caption information, it will be recorded by your VCR. When the tape is played back, turn on the closed-captioning feature on your TV to view the captions.

Note: An HD program records to your VCR in SD (standard definition) format.

FREQUENTLY ASKED QUESTIONS

WHAT IS HDTV? WHAT ADVANTAGES DOES IT HAVE OVER STANDARD DIGITAL TV?

HDTV, or high-definition television, is a next-generation standard for digital television that gives you an image with superior resolution. Standard televisions display approximately 210,000 pixels, compared to over 2 million for top-end HDTV – a tenfold increase over traditional TV. Plus, HDTV enhances the home theatre experience by allowing for wider screens with aspect ratios of 16:9. Among other things, this can preserve a film's original letterbox format.

IF I DON'T HAVE AN HDTV, WILL AN HD TERMINAL GIVE ME A SHARPER IMAGE?

No. Vidéotron's HD terminals are perfectly back ward with traditional TV, but to take advantage of the higher resolution offered by HD broadcasts, your television must be physically capable of displaying the necessary number of pixels – and must be equipped with connectors that can carry this type of signal (Component/DVI/HDMI input).

TECHNICALLY, WHAT'S THE DIFFERENCE BETWEEN HDTV AND TRADITIONAL ANALOG SDTV?

There are several technical differences between standard, NTSC-format television and HDTV. (Technology varies widely even among HDTVs: CRT, LCD, Plasma, DLP, etc.)

TVs project programs onto their screens in the form of tiny picture elements, or pixels: 480 lines of pixels make up the picture on a standard analog TV. In comparison, HDTV images use 720 or 1080 lines, which results in much sharper detail and general picture resolution.

This also lets the image be "painted" in different ways. On an SDTV, the screen is painted using interlaced scanning, meaning that each of the 30 images appearing on screen each second is made up of two half-images: one each for the odd and even lines. HDTV can use either interlaced or progressive scanning (the latter changes the entire image from the first to last line up to 60 times a second).

The two HDTV formats:

720p	720 lines of horizontal resolution and progressive scan
1080i	1080 lines of horizontal resolution and interlaced scan

WHICH IS BETTER, 720P OR 1080I? HOW DO THESE COMPARE WITH DVDS OR THE TRADITIONAL DIGITAL TERMINAL FORMAT?

Progressive scan provides superior results compared to interlaced scan, the main difference being that interlaced scan's alternating lines are more readily visible to the naked eye.

While a 720p image contains fewer pixels than a 1080i image, it also can be refreshed more quickly, making it the better choice for programs featuring a lot of movement, such as sports broadcasts.

To compare: both SDTV and DVD images use 480 horizontal lines with interlaced scan (480i). So-called progressive scan DVD players provide images in 480p format, resulting in better picture quality.

**WHAT'S THE RESOLUTION ON VIDÉOTRON'S HD CHANNELS?
CAN I CHOOSE THE RESOLUTION OF THE SIGNAL I RECEIVE?**

Television stations decide which format a program will be broadcast in – although this doesn't mean all of a station's programs will necessarily be broadcast in the same format.

It's important to make the distinction between the image resolution you receive from a station, and the format your television displays it in. For example: if a station broadcasts a program at 480i and you have a 1080i TV, it will convert the image to a uniform 1080 on-screen lines by filling in the missing pixels. The program's "real" resolution, however, stays unchanged at 480i.

CAN I RECORD AN HD PROGRAM USING MY VCR?

Some Vidéotron HD terminals let you record HD programs on your VCR. Of course, the VCR will have to decrease the resolution in order to record it, so the recording will be in standard format. To preserve image resolution when recording an HD program, it is suggested you use Vidéotron's 8010 HD PVR.

I'VE NOTICED SEVERAL CAPTIONING OPTIONS IN MY HD TERMINAL'S GENERAL SETTINGS, SUCH AS FONT SIZE AND COLOUR. WHY ARE MY CAPTIONS ALWAYS IN BLACK AND WHITE?

Make sure the Captioning Options in your General Settings are set to Personalized. Custom font size and colour are only available for programs broadcast using the new digital captioning standard, EIA-708B. Programs broadcast using the old captioning standard, 608, do support captions, but only in black and white. A program's captioning standard is decided by the television station.

WHAT DOES AN HDTV'S "NATIVE FORMAT" REFER TO?

As you know, digital television programs can be broadcast in a variety of formats (480i, 480p, 720p, 1080i, etc.) – but TVs are designed and built to display images in only one of these formats. This format is the TV's native format. This is why HDTVs must be equipped to convert the formats of the programs they receive.

HDTVs are often classified according to their native formats. Today's models are designed to display images at either 720p or 1080i. If an LCD TV with a native format of 720p receives a signal from a television station at 480i, it converts it to its native format: 720p. To do this, it "fills in" the incoming image's missing pixels, bringing it up to its display capacity. The resulting image will always be in the same format: your TV's native format.

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