

Version 3.1

Getting Started Guide

Scientific Atlanta

September 1, 2008



Passport Echo 3.1 Getting Started Guide (for Scientific Atlanta set-tops)

Passport Echo® 3.1

September 1, 2008

© 2008 Macrovision Solutions Corporation. All rights reserved.

This document, as well as the software described in it, is furnished under license and may only be used or copied in accordance with the terms of such license and applicable copyright laws. The information in this document is provided for informational use only and is subject to change without notice.

Macrovision Solutions Corporation assumes no responsibility or liability for any errors or inaccuracies that may appear in this document or for any omissions. Except as permitted by such license and applicable copyright laws, no part of this publication may be reproduced, stored in a retrieval system, transmitted, adapted, translated in any form or by any means without prior written authorization of Macrovision Solutions Corporation.

This product may be protected by one or more of the following U.S. Patents: 6,498,895; 6,418,556; 7,100,185; 6,850,693; 5,809,204; 6,396,546; 5,940,073; and 6,239,794. Other patents are pending.

Trademarks

Passport® is a registered trademark of Macrovision Solutions Corporation and/or its subsidiaries. All other product names mentioned in this document are trademarks of their respective owners.

Macrovision Solutions Corporation 2210 W. Olive Avenue Burbank, CA 9150

Table of Contents

| Watching Live TV | 4 |
|---|----|
| Searching for Shows in the Program Guide | 5 |
| Recording TV Shows | 6 |
| Viewing Saved Shows | 7 |
| Managing Saved Shows | 8 |
| Managing Upcoming Recordings | 9 |
| Managing Series Recordings | 10 |
| Using General Settings and Quick Settings | 11 |
| Video Output Format and Aspect Ratio | 12 |
| Using Parental Control | 13 |
| Language Support | 14 |

Watching Live TV

With Passport Echo[®], you can do more than just watch TV shows--you can control them with your remote!



*Note: This button sequence applies only if your cable company enables the 30-Second Skip feature.

If your cable company disables the 30-Second Skip feature, pressing > twice quickly will initiate slow motion playback.

**Note: These button sequences will function only if you have alread used a rewind or skip backwar function.

| | Pause playback | Press 🔟 . |
|------------|---|---|
| | Resume playback from pause | Press ⊃ or 🔟 . |
| | Rewind | Press < . Press again to change speed. |
| | Notch skip forward** | Press 🕑 then press 🕨. |
| | Notch skip backward | Press 🕙 then press 🗲. |
| | Fast forward** | Press ⋗ . Press again to change speed. |
| 5 | Step forward frame-by-frame | Press 🛄 then press 🕨 repeatedly. |
| vill | Slow motion forward | Press 🔟 then press ⋗ . |
| | 30-second skip* ** | Press 💽 twice quickly. |
| ady ard | Resume playback from rewind, fast forward, or slow motion | Press 🕒. |
| | Instant replay | Press 🕗. |
| | | |

Searching for Shows in the Program Guide

Finding TV shows is easy with the Program Guide. You can browse for shows sorted by time or theme, or search for shows by title or keyword.

Browse the channel line-up

BULY N

BILLY MO

1 Theme

3 Search

Press GUDE while watching a TV show to display the Program Guide. B KXDJ Browse for shows By default, the Program Guide is sorted Passport to Paradise 8:00 pm - 10:00 pm by Time/Channel by time and channel. Press 4. . . en a newly-wed couple apes to an island paradies or 🔻 to browse shows. Highlight a 12-30-03 KCBC - 1000 8:00 p 11/21 College Fast show, then press see to display options, 58 58 59 Papa Papag or **O** to record 61 A Time 1 Theme 3 Search While viewing the Guide, press **B** to Browse for shows E SS by Theme browse by theme. Press \wedge or \checkmark to Passport to Paradise 8:00 pm - 10:00 pm highlight a theme, then press such to 13 Action and adver en a newly-wed caup spec to an iclasd par browse sub-categories. Press b to Pre browse related shows. Highlight a show. Sports A Jifantuta then press 💷 for options, or 🔾 to & All Lifeatyle A Tim Thema Search record. KPDT, KP 102, 287 While viewing the Guide, press 🧿 to Search for shows Passport to Paradise 3 Shows Found by Title or Keyword Search. (Press 🧿 again to choose Title or Keyword Search). Enter a title or keyword using the on-screen keyboard: use the arrow keys to a highlight letter. A. In Search then press such to enter. Move the highlight to the Search Results List by repeatedly pressing . Highlight a show. BILLY Press sure to display options, or \mathbf{O} to To record these (and fut that match "BILLY", ore KCBC - 1000 record. Related shows are grouped under Keywart: BILLY 7:30s KPI0 headings (folders). Highlight a heading, 9:30# KPPX

then press see to view individual listings, or **O** to create a Series Recording.

Note: Pressing O on a Keyword Header creates a Keyword Series Recording. Future guide data will be continuously searched for matching shows to record.

Recording TV Shows

You can save a show by using the Program Guide, setting up a manual recording, or pressing the RECORD key while watching a show.

Scheduling Recordings while viewing the Program Guide



Press GUDE to display the Program Guide.

Schedule a single instance recording

Schedule a Series Recording "Record this show" from the dialog box. Highlight a show, then press **Q** . Select

Highlight a show, then press **Q** . Select

Highlight a show, then press . Select "Record entire series" from the dialog box. Customize your Series Recording settings by specifying recording options, then press A.

Saving the show you are watching



Press 🝳 while watching a TV show to display the Recording dialog.

Record the current TV show

Select "Record this show" from the dialog box.

Creating a manual recording



Press O while watching a TV show to display the Recording dialog. Select "Create a manual recording...".

-0ľ-

Display the Saved Shows or Scheduled Recordings panel, then press 🔘 .

Schedule a single or recurring recording

Press \blacktriangleleft , \triangleright , \blacktriangle , \bigstar , or \checkmark to highlight a setting, then press auto. Repeat for each column, then press \bigstar .

Viewing Saved Shows

You can display a list of Saved Shows at any time by pressing the DVR List button. (Note: To access Passport Echo's DVR menus, you must have a remote control that features a DVR List button.)

Access Your Saved Shows



Press (11) to display a list of Saved Shows.

Press \blacktriangle or \checkmark to highlight a show. (Shows that have not yet been played appear in bold text.)

Press **>**, or press **up** then select "Play", "Play from Beginning" or "Resume Playback" from the dialog box.



*Note: This button sequence applies only if your cable company enables the 30-Second Skip feature.

If your cable company disables the 30-Second Skip feature, pressing 🕑 twice quickly will initiate slow motion playback.

| Pause playback | Press 🛄 . |
|--------------------------------|-------------------|
| Resume playback from pause | Press ⊃ |
| Rewind | Press < |
| Notch skip forward | Press ⋗ |
| Notch skip backward | Press ⋖ |
| Fast forward | Press ⋗ speed. |
| Step forward frame-by-frame | Press 🔟 tl |
| Slow motion forward | Press 🛄 t |
| 30-second skip* | Press ⋗ |

Resume playback from rewind, Press **C**. fast forward, or slow motion

Instant replay

Return to "live" TV

Erase a show

or 🔲 .

Press again to change

- then press
- then press <

Press again to change

hen press **>** repeatedly

hen press 🕨 .

twice quickly.

Press 🕥 Press \bigcirc , or press \square and then press A (Stop and erase) or B (Stop and save) from the dialog box.

Press 🔲 , then press 🔺 (Stop and erase) from the dialog box.

Managing Saved Shows

You can specify that Saved Shows be erased automatically as space is needed for new recordings, or saved until you erase them manually. Use the Saved Shows panel to manage your library of saved shows.

\bigcirc **Manage a Saved Show**



Tip: While viewing the Saved Shows list, press A to sort the list by Group Titles (arranged alphabetically) or Show All Listings (arranged by estimated erasure date).

| Press (15) to display the | Saved Shows panel. |
|---|---|
| Find a saved show | Press 🔺 or 🔻 to highlight a show. |
| Erase a show | Highlight a show, then press 💷 . Select "Erase" from the dialog box. |
| Save a show until manually erased | Highlight a show, then press (1990). Select "Save until manually erased" from the dialog box. |
| Allow a show to be erased automatically | Highlight a show, then press (III) . Select "Save until space is needed" from the dialog box. |
| Keep a show longer | Highlight a show, then press . Select "Keep Longer" from the dialog box to display the Priority screen (see below). |

Keep a Saved Show Longer



Keep a show longer/ Erase a show sooner

Press \wedge or \checkmark to increase or decrease the storage priority of the highlighted show.

Press SELECT

(Note: Shows positioned lower in the list will be erased sooner. Shows positioned higher in the list will be retained longer.)

Saved shows can be automatically erased to make room for new recordings, or saved until you erase them.



Indicates that a show will be saved until it is manually erased.



- \mathbb{X} Indicates that a show is expected to be erased automatically soon.
- - Indicates that a show is expected to be automatically erased very soon.

Managing Upcoming Recordings

The Scheduled Recordings panel enables you to review a list of upcoming shows that are scheduled to be recorded. It also enables you to cancel upcoming scheduled recordings.

Find and Modify an Upcoming Scheduled Recording

| | Press 💷 , then 🖪 to u | display the Scheduled Recordings panel. |
|---|--|--|
| PASSFORT BOILD | Find an upcoming scheduled recording | Press A or V to highlight a scheduled recording. |
| SAT Passport to Prandice SUM Meeting Mary SUM Meeting Mary SUM Anticing Mary Monte of sub-sector and sub- | Cancel an upcoming scheduled recording | Highlight a scheduled recording, then press step . Select "Cancel Recording" from the dialog box. |
| Record Options Cancel Recording Select Gacel | Modify an upcoming scheduled recording | Highlight a scheduled recording, then press (). Select "Record Options" to display the Record Options dialog box (see below). |

Fine-tune an Upcoming Scheduled Recording or Series Recording

| | mit | ing mary | |
|---|-------------|-----------------------|---|
| | Save: | Until space is needed | |
| ¢ | Start Time: | 5 minutes early | • |
| | End Time: | On time | |
| | A Accept | 🕑 Cancel | |

*Note: If a scheduled recording overlaps two concurrently scheduled recordings by 10 minutes or less, the program of lower priority will be automatically "cropped" so that the higher priority program can be recorded in its entirety.

From the Series Manager panel, you can also crop time from the beginning or end of all episodes in a series scheduled for recording. Allow a show to be erased automatically

Save a show until manually erased

Adjust a scheduled recording's start time*

Adjust a scheduled recording's end time* Press ▲ or ▼ to highlight the "Save:" option. Press ◀ or ▶ to highlight the "Until space is needed" preference, then press ▲.

Press ▲ or ▼ to highlight the "Save:" option. Press ◀ or ▶ to highlight the "Until manually erased" preference, then press ▲.

Press \blacktriangle or \bigtriangledown to highlight the "Start Time:" option. Press \triangleleft or \triangleright to adjust the recording's start time, then press \land .

Press \blacktriangle or \checkmark to highlight the "End Time:" option. Press \blacktriangleleft or \triangleright to adjust the recording's end time, then press \triangle .

Managing Series Recordings

Episodes of a series will not be saved if more than two scheduled recordings overlap. Use the Series Manager to resolve recording conflicts.

Cancel a Series Recording





Press (1), then C to display the Series Manager.

Cancel a Series Recording

Press \blacktriangle or \checkmark to highlight "Cancel Series Recording," then press such as

Adjust the Priority of a Series Recording



Set the priority for a Series Recording Highlight a Series Recording, then press

Select "Series Recording Priority…" from the dialog box, then press (III) to display the Priority panel (shown at left).

Press ▲ or ▼ to increase or decrease the selected Series Recording's priority. Press 爾

(Note: Series Recordings positioned higher in the list will be recorded in the event of a conflict with a Series Recording positioned lower in the list.)

Using General Settings and Quick Settings

You can control a variety of set-top settings, timers, purchases and preferences by using the General Settings. The Quick Settings offer a shortcut to a few frequently-used settings.

Manage settings, timers, purchases and personal preferences

| | - (n |
|--|--|
| Timera | Pursetal Control |
| Set timers to automatically tars your | Program |
| set-top on/off, or remind you about a show. | has been blacked |
| | 100 0001 0 000000 |
| | |
| Preferences | |
| | |
| My Proferences | |
| Parental Control Rever | -De Timer: 2 KPDT fr 9 |
| 🗢 🖸 Timera 🔶 Perwar | -Off Timer: OFF |
| Purchasing literat | nder Timer: Nova |
| Language/Mona | |
| SB/Aufin/Vides | |
| Show Settings | Etit 12:30:03pm |
| | |
| | |
| | |
| | |
| General Settings | Manual Prost |
| Timers: Power-On Timer | Parental Control |
| Set a timer to automatically turn on your | Program |
| set-top on a specified day (or days), time | has been blacked |
| PUB COUNTEL | U See Charles and |
| | |
| Preferences | 10 |
| Parental Cantrol | |
| O lines | |
| o Steep Timer | |
| o Pawer-Un Litter OF UIT | |
| Pewer-Ott Timer | |
| & Reminder Timer | |
| | |
| Purchasing | |
| Purchasing Modify Sattings | @ Esit 6:24:39pm |
| Wedity Sattings | @ Est 6:24:39pm |
| Wedity Sattings | @ Est 6:24:39pm |
| Purchasing Modify Settings | @Esit 6:24:39pm |
| Wodity Settings | Ø Est 6:24:39pm |
| Notity Satisga | e Est 6:24:39pm |
| Modity Sattings | @ Est 6:24:39pm Parental Control |
| Motify Settings | Est 6:24:39pm Parental Control Program |
| Molify Settings Molify Settings Concernal Settings Tencerna: Power-On Timer Set & Timer to actionatically from to your set-try on a specified by for drivery. Sime | © Ent 6:24:39pm Parental Control Program Int born blockst |
| Molity Settings Molity Settings Concernal Settings Tenerra: Power-On Timer Set & Imme to estematically tern on your set-toy on a specified day for day ju | © Est 6:24:39pm Parental Control Program han bem blacked |
| Central Settings Central Settings Central Settings Timera: Power-On Timer Set stream to account only for the point and chand. | © Est 6:24:39pm Persetal Control Pisgan lan bem blockel |
| Concercit Settings | © Ect 6:24:39pm Parental Control Pirgan Jan bon blocks |
| Consert Settings Consert Settings Things: Power-On Times Set Aims is advantability for drys; into and chand. Protocomment Set Setting Consert Setting Consert Setting Consert Setting Consert Setting Consert Consert Setting Consert Consert Setting Consert | Fort G:24:39pm Parental Control Program last hem blocked Day Trace |
| Concret Settings Concret Setting Concret Setting Concret Setting Concret S | ett 6:24;39pm Parental Costrol Pagan Ian Iom Michal |
| Consert Settings Consert Settings Thinsel Power-On Time Set Almon 1 Annual Constraints The and actual Constraints The Consert Settings The Consert Settings The Consert Setting Conserts The Conserts Setting Conserts The Consert | G124;39pm Parental Control Pages has ben blicked |
| Concret Settings Concre | Parental Costrol Parental Costrol Pingan Ian Iom Michal |

Display General Settings Press the SETTINGS key, then press A to display the General Settings menu.

(If your service includes the QuickMenu™, you could atternatively press the MENU key twice.)

| Highlight a Preference | Press \blacktriangle or \checkmark to highlight a Preference |
|------------------------|--|
| | and display its current settings. |
| | |

| Change a Setting | Highlight a preference, then press 🕮 | | |
|--------------------|--|--|--|
| | or ▶ to expand the category or display options. Press ▲ or ▼ to highlight a new setting or option. Repeat if | | |
| | necessary. Press 💷 to accept the new setting. | | |
| Exit Settings Menu | Press 💷. | | |

Quick Settings

| Highlight a setting, then chang | je it | s status | | |
|---------------------------------|-------|----------|----|---|
| Setting | | Yes | No | |
| Activate Sleep Timer | | | | |
| 🖾 Display Closed Captions | | | | |
| 🔶 🖻 Activate Parental Control | 1 | | • | D |
| * Make this Channel a Favorite | | | | |
| IBECI Record this Channel | | | | |

Quick Settings offers a short-cut to a few frequently-used settings.

Display Quick Settings Press the SETTINGS key.

Change a Quick Setting Press ▲ or ▼ to highlight a Setting. Press ▶ or ◀, or আ to toggle the highlighted Setting between Yes and No.

Exit Quick Settings

Press **G** to exit.

Video Output Format and Aspect Ratio

Use these preferences to select a Video Output Format and Video Aspect Ratio supported by your TV and to determine how to output non-conforming video.

Select a Video Output Format and Aspect Ratio



Using Parental Control

Parental Control enables you to restrict set-top access to specific channels, ratings, content, titles, or time periods by requiring PIN entry.

Accessing Parental Control settings



On first entry, you will need to set up and remember your Parental Control personal identification number (PIN).

 PIN Set Up
 Access the General Settings menu as described on page 11. Press ▲ or ▼ to highlight the Parental Control preference, then press
 to expand the category. Highlight Locking Status, press ▶, then select On. Follow the instructions on screen. (Remember your PIN for future use.)
 Display Parental Control Options
 Highlight Parental Control. Press
 or ▼ to highlight the category. Press ▲ or ▼ to highlight the desired Parental Control

preference, then b to display options.

Setting up viewing restrictions

Disable Parental Control

| Concernal Settings | Display the Parental Control options (as above). | | | |
|--|--|--|--|--|
| Presented Controls Cocked Chromosis Data in andly r at of down is laid above the laid in a Lock case appenent at the which down is laid Preferences I chrome Stars I ch | Specify Locked Channels | Highlight Locked Channels, then press <a> | | |
| Linde Knop Linde Knop Linde Serieg Linde Serieg Linde Serieg Linde Serieg Linde Serieg | | Repeat with Locked Ratings, Locked Content, Locked Time and Hide Adult Titles, if desired. | | |
| Centeral Settings Presental Control: Lecked Channels Contor anoly, ast of channels super nut to solicity span nut to solicity The settings The settin | Activate Parental Control | Select the Locking Status, press > , highlight On, then press (ELCT). | | |
| ST PAT St COT St COT St COT St COT St COT Lected Dametr - © 6/17/1 ST COM | Disable Parental Control | Select the Locking Status, press $ig>_{,}$ highlight Off, then press \mathfrak{sure} . | | |
| Add Dunel Add Add Dunel Add | Turn off Parental Control Temporarily | From a blocked program, press \mathfrak{surf} . Choose "This Channel" or "All Channels," then press \mathbf{A} . Enter your PIN, then press \mathbf{A} to remove the confirmation dialog. | | |

Language Support

You can specify the language to be used for audio, closed captioning, and on-screen display.

Selecting an audio, closed captioning, or on-screen display language



Medity Settings 🕥 Exit

Medity Settings 🕥 Exit

Modity Settings 🛛 🕥 Exit

Ceneral Settings

Coneral Settings

nlin/Vides

Coneral Settings

ages Andio available language (such as Spanish, or French) far an-assee Nate: Preasan Guide content in

guages Andio (AP on to bear an alternate andio (aften mother language) when dde, or aff to bear the primary and () in a program's... Select an audio, closed captioning or on-screen display language Press the SETTINGS key, then press A to display the General Settings menu.

(If your service includes the QuickMenu™, you could alternatively press the MENU key twice.)

Press ▲ or ▼ to highlight Language/Idioma. Press ►.

Press ▲ or ▼ to highlight the Audio, Closed Captioning, or Display/Mostrar preference. Then press ►.

Highlight the desired language option. Press state

Audio: Select a Primary or Alternate (SAP) audio language.

Closed Captioning: Select Options and State for On/Off, Analog Service, Digital Service, Text Style, Text Size, Text Color, Text Opacity, Background Color and Background Opacity.

Display/Mostrar: Select English or Spanish/Español for the on-screen text display language.



