Table of Contents

Taking a First Look

ProntoNEO is an Intelligent Remote Control that can be used for virtually all audio and video devices that understand infrared (IR) remote control signals. Its easy-to-use LCD touch screen and its intuitive interface make it a perfect remote control for every user.

In the memory of ProntoNEO, IR codes are stored to activate different brands for all kinds of video and audio devices. ProntoNEO is set up by default to operate with Philips and compatible devices. When you have other brands, you simply define the brands of your devices when you use ProntoNEO for the first time. See 'Defining the Brands of Your Devices' on p. 15 for more details.

ProntoNEO can also learn IR codes from your existing remote controls. ProntoNEO can receive and store the IR codes by means of its learning eye. See 'Learning Commands' on p. 18 for more details.

Recording macros is another feature of the ProntoNEO. If you wish to assign a sequence of commands to a single button, you can record a macro. See 'Recording Macros' on p. 20 for more details.

With the NEOedit software for PC you can create your own screens and define a personal look. NEOedit's on line help system will guide you through the process. In the future NEOedit will also allow you to upgrade your ProntoNEO. You can find NEOedit on the included CD-ROM and on the Philips website http://www.pronto.philips.com. See 'NEOedit' on p. 25 for more details.

The Batteries

When you use ProntoNEO for the first time, you have to install the batteries.
The ProntoNEO requires 3 AA-batteries (3 x 1,5 V) to function. You can use either
primary or rechargeable batteries.

1 Remove the battery cover by pressing and sliding.
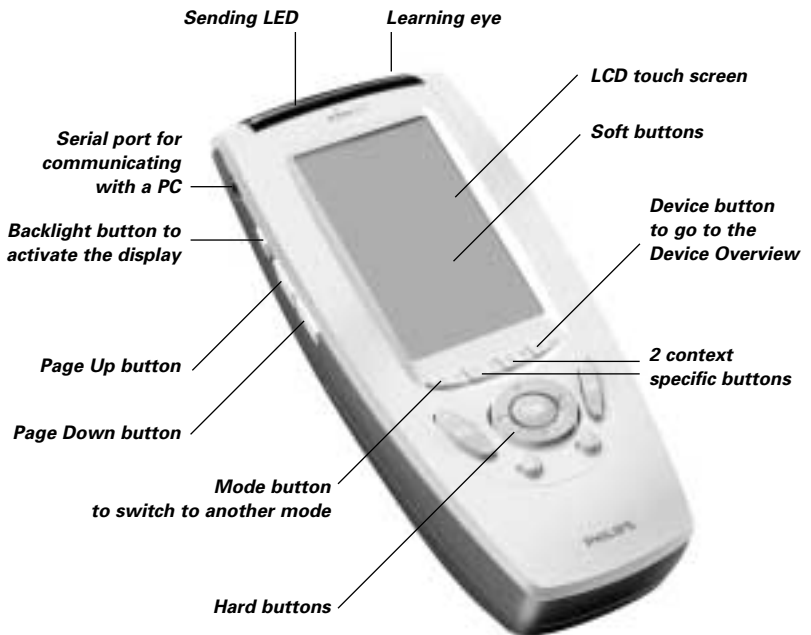

2 Place the batteries in the battery compartment.

3 Place the battery cover back on.
After a few seconds, ProntoNEO starts up automatically and an Introduction
screen appears. ProntoNEO beeps twice to indicate that it has started up
successfully.

The Appliance

....
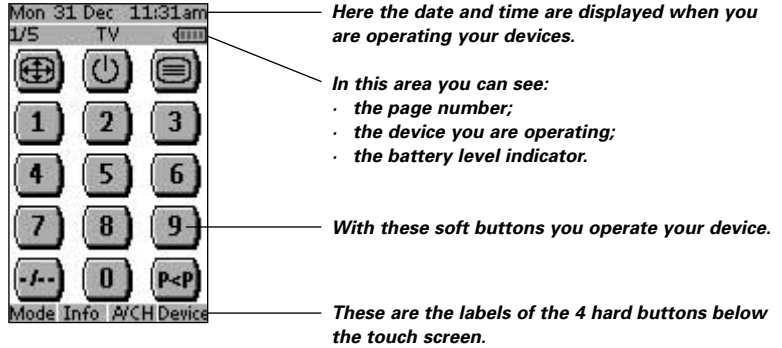
On the ProntoNEO you can perform numerous actions by means of soft and hard buttons.

• Soft buttons are the buttons you can tap on the LCD touch screen.
• Hard buttons are the buttons located below and on the left side of the LCD touch screen.
    • The 4 hard buttons just below the touch screen are the Mode button, 2 context specific buttons and the Device button. Their label is displayed at the bottom of the touch screen.
    • The hard buttons located at the bottom of the ProntoNEO are Volume Up/Down, Channel Up/Down, Menu, Mute and Function.
    • The hard buttons located on the left side of the ProntoNEO are the Backlight button and the Page Up/Down buttons.

Sending LED   *Learning eye*

LCD touch screen

Serial port for communicating with a PC

Soft buttons

Backlight button to activate the display

Device button to go to the Device Overview

Page Up button

2 context specific buttons

Page Down button

Mode button to switch to another mode

Hard buttons

The Touch Screen

The LCD touch screen is divided into different sections:

Here the date and time are displayed when you are operating your devices.

In this area you can see:
· *the page number;*
· *the device you are operating;*
· *the battery level indicator.*

With these soft buttons you operate your device.

These are the labels of the 4 hard buttons below the touch screen.

Using ProntoNEO

Activating the ProntoNEO

. . . .

When the ProntoNEO is switched on for the first time or when it is reset, the Introduction screen appears for a few seconds. The ProntoNEO then automatically switches to the Device Overview that displays all available devices on your ProntoNEO. You can return to this Device Overview from within other screens by pressing the Device button. See 'Activating the Device Overview' on p. 8 for more details.

Fig 1: Device Overview

■ Turning on the Display and the Backlight

ProntoNEO's display can be activated in two different ways:

■ Tap the touch screen gently with your finger or a blunt, soft object like a pencil eraser.
The display is activated.

■ Press the Backlight button on the left side of the ProntoNEO.
The display and the backlight are activated.

If the LCD touch screen stays blank or becomes black when turning on the display, read the next section 'Changing the LCD Contrast' to adjust the contrast of the LCD touch screen.

Note   *ProntoNEO has a timeout feature: the LCD touch screen and the backlight automatically turn off to save power.*
See 'Adjusting the Settings' on p. 11 to adjust the timeout for the LCD and the backlight.

■ Changing the LCD Contrast

To adjust the LCD contrast on the touch screen:

1 Press and hold the **Backlight** button.
The screen lights up.

2 While still holding the Backlight button, press the **Page Up** button once
to increase the LCD contrast one level.
The LCD contrast is adjusted one level up.

–or–

Press the **Page Down** button once to decrease the LCD contrast one
level.
The LCD contrast is adjusted one level down.

3 Release the **Backlight button** when the contrast is satisfactory.
The LCD contrast can be adjusted 16 levels.

Note *To adjust the contrast multiple levels, you have press the Page Up or Page Down*
button multiple times. When you press and hold the Page Up or Page Down
button, the LCD contrast will only change one level.

■ The Battery Status

The battery icon ▮▮▮▮ indicates the status of your batteries.

When the battery status is low, the Low Battery icon 🔋LOW appears at the top of the touch screen.
You can still operate your devices, but you cannot adjust the settings, define brands, learn commands or record macros anymore. When you try to perform these actions, a message screen appears.

Replace the batteries to make the ProntoNEO fully functional again. See 'The Batteries' on p. 3 to replace the batteries.

Operating Devices

To operate devices on your ProntoNEO you have to switch to the Device Overview. This screen displays the available devices like TV, VCR, DVD, PreAmp and so on.

■ Activating the Device Overview

Press the Device button.
The Device Overview appears, showing the available devices in the ProntoNEO.

Fig. 2: The Device button

■ **Selecting a Device on the Device Overview**

Tap the soft button of the device you want to operate.
The first page of the selected device appears. See 'Using the Page Up and
Page Down Buttons' on p. 10 to go to another page of the device.

You operate devices using the buttons on your ProntoNEO:

• Soft buttons (touch screen buttons);
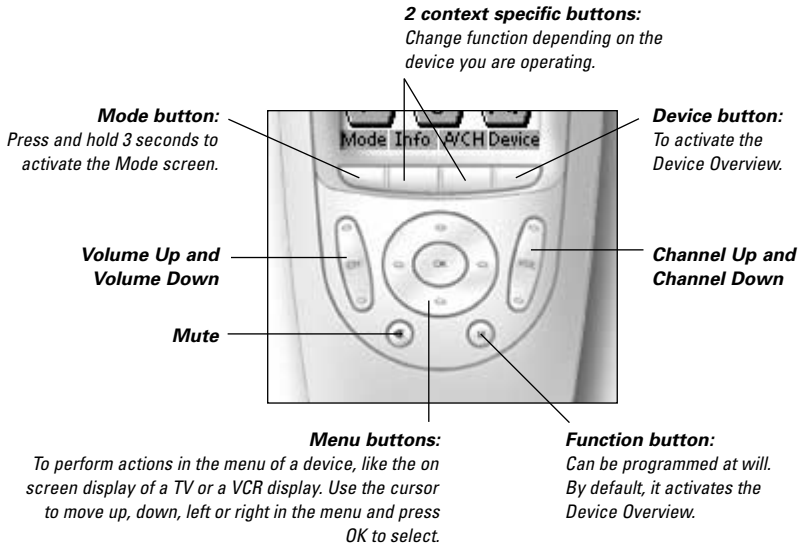• Hard buttons.

■ **Using the Soft Buttons**

By tapping the soft buttons on the LCD touch screen you send IR commands to the
device you have selected.
The name of the active device is indicated at the top of the touch screen.

*Note   You can operate the soft buttons in the same way you operate hard buttons on a
conventional remote control. When you keep the soft button pressed instead of
tapping it, ProntoNEO keeps sending the IR command.*

■ **Using the Hard Buttons**

Hard Buttons can be operated at any time, even without turning on the LCD touch
screen.

2 context specific buttons:
Change function depending on the
device you are operating.

Mode button:
Press and hold 3 seconds to
activate the Mode screen.

Device button:
To activate the
Device Overview.

Volume Up and
Volume Down

Channel Up and
Channel Down

Mute

Mode Info A/CH Device

Menu buttons:
To perform actions in the menu of a device, like the on
screen display of a TV or a VCR display. Use the cursor
to move up, down, left or right in the menu and press
OK to select.

Function button:
Can be programmed at will.
By default, it activates the
Device Overview.

Using the Page Up and Page Down Buttons
The controls to operate your devices are mostly located on different pages. You
can scroll through these pages using the Page Up and Page Down buttons on the
left side of the touch screen. The page number on the left of the touch screen
indicates the active page number and the total number of screens, for example
1/6.

Using the Backlight Button
Use the Backlight button to activate ProntoNEO's display and backlight. See also
'Turning on the Display and the Backlight' on p. 6.

Working with Modes

ProntoNEO starts up in Use mode. In this mode you operate your devices. For
customizing the ProntoNEO (adjusting the settings, defining brands, learning
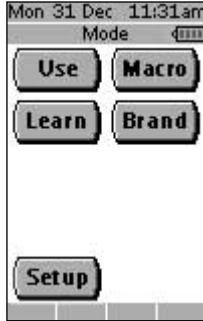buttons or recording macros) you have to switch to the appropriate mode.

Note   When switching between modes you will always return to the last active screen.

The ProntoNEO can be put into 5 different modes. These modes are:

Use mode   For operating your devices. See 'Operating Devices' on p. 8.

Setup mode   For changing the ProntoNEO system settings.
               See 'Adjusting the Settings' on p. 11 for more details.

Brand mode   For defining the brands of your devices using ProntoNEO's
               database. See 'Defining the Brands of Your Devices' on p. 15 for
               more details.

Learn mode   For learning commands from other remote controls. See 'Learning
               Commands' on p. 18 for more details.

Macro mode   For recording macros. You can assign multiple commands to one
               single button. See 'Recording Macros' on p. 21 for more details.

*Note   Learning commands, defining brands and recording macros is only possible per
          device. This means that you first have to select a specific device to perform these
          actions.*

1 On the Device Overview tap the soft button of the device you want to
   customize.
   The first page of the selected device appears.

2 Press and hold the **Mode** button for 3 seconds.
   The Mode screen appears.

Mon 31 Dec 11:31am
Mode

| Use | Macro |
| Learn | Brand |

Setup

Note   You have to press and hold the Mode button for 3 seconds to prevent accidental changes.

---

3 Select the desired mode from the Mode screen.

---

*Note   When you switch to another mode from the Device Overview, you cannot choose the **Brand** mode, **Learn** mode and **Macro** mode. To switch to these modes you first have to go to the specific device you want to customize.*

Adjusting the Settings

The ProntoNEO settings can be adjusted in the Setup mode.

1 Press and hold the **Mode** button for 3 seconds.
The Mode screen appears.

2 Tap **Setup** in the Mode screen.
The first Setup page appears.

The ProntoNEO settings consist of 3 setup pages with several settings per page.
Use the Page Up and Page Down buttons to navigate to the appropriate setup page.

First Setup Page
On the first setup page you can adjust:

• the LCD timeout;
• the backlight timeout;
• the beep volume.

Adjust the LCD Timeout
The LCD timeout indicates how long the LCD touch screen stays active before it turns off. The LCD will only time out when you don't touch any buttons. You can set the timeout between 1 second and 120 seconds.

Press '+' to increase or '-' to decrease the time the LCD stays active.

Tap '+' or '-' once to adjust the timeout 1 second up or down.

Press and hold '+' or '-' to adjust the timeout per 10 seconds up or down.

Adjust the Backlight Timeout
The backlight setting indicates how long the backlight of the LCD touch screen and the buttons stays active. The backlight timeout can be set between 1 second and 120 seconds.

Note   The backlight cannot stay active longer than the LCD. If you increase the backlight timeout, the LCD timeout will automatically increase as well.

Press '+' to increase or '-' to decrease the time the backlight stays active.

Tap '+' or '-' once to adjust the timeout 1 second up or down.

Press and hold '+' or '-' to adjust the timeout per 10 seconds up or down.

Note   When the settings for the LCD timeout and the backlight timeout are high, the battery lifetime may be reduced.
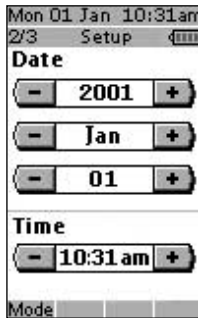
Change the Beep volume

The beep volume setting adjusts or turns off the volume of all button and system beeps on the ProntoNEO. The beep volume levels are mute, soft, medium and loud.

> Press '+' to increase or '-' to decrease the beep volume.

Second Setup Page

On the second setup page you can adjust:

• the date;
• the time.

```
Mon 01 Jan 10:31am
2/3    Setup    (IIII
Date
(-    2001    +)
(-     Jan    +)
(-     01     +)

Time
(- 10:31 am +)

Mode
```

Adjust the Date

You can set the year, the month and the day in the date settings.

Press '+' to increase or '-' to decrease the value for the year, month and day.

> Tap '+' or '-' once to adjust the year, month and day one value up or down.

> Press and hold '+' or '-' to adjust the values for the year and the month more rapidly. The value for the day settings will change per 5 days.

The ProntoNEO will immediately reflect the date change at the top of the screen.

Adjust the Time

> Tap '+' or '-' once to adjust the time 1 minute up or down.

> Press and hold '+' or '-' to adjust the time more rapidly. The time will increase or decrease per 30 minutes.

The ProntoNEO will immediately reflect the time change at the top of the screen.

Third Setup Page

ProntoNEO Information
This page contains information that may be important to the dealer in case of a
defect. The following information is displayed on this screen:

• Free memory (in percentage), which gives you an indication on how much
  memory is left to (further) customize the ProntoNEO;
• Boot version;
• Application version;
• Configuration file.

Revert

*Warning   When you revert the ProntoNEO, all customization is lost permanently. You loose
          all ProntoNEO settings, defined brands, learned codes and recorded macros.*

By tapping the Revert button the ProntoNEO will be reverted to the default
configuration. Reverting to the original configuration restores the ProntoNEO to its
initial state. You might have to revert when you notice that scrolling through pages
is slowing down. This might be the case when you have added a lot of commands
to the ProntoNEO.

1 Tap the **Revert** button.
  A message screen appears to confirm or cancel the revert process.

2 Press OK or Cancel.

To exit Setup Mode

1 Press the **Mode** button.
  The Mode screen appears.

2 Tap the mode button you want to go to.
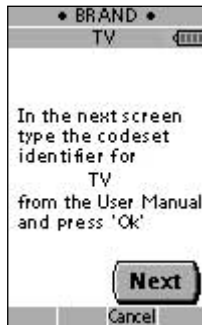 ProntoNEO switches to this mode. See also 'Working with Modes' on p. 10.

Defining the Brands
of Your Devices

Like other remote controls ProntoNEO uses infrared (IR) codes to activate devices.
The ProntoNEO is set by default to operate Philips devices. If the brand of your
devices is Philips (or compatible with), you do not have to define the brands of
your devices.

*Note   Not every Philips device (TV, VCR, CD, …) uses the same IR codes. If you notice
that some devices or commands are not functioning properly, change the code set
as described in this chapter.*

To define brands you have to set the ProntoNEO in Brand mode:

1   Set the ProntoNEO in Use Mode. See 'Working with Modes' on p. 10.

2   Select the device, e.g. TV, for which you want to define the brand.
The device screen appears.

3   Press and hold the **Mode** button for 3 seconds.
The Mode screen appears.

4   Tap **Brand** on the Mode screen.
An instruction screen appears indicating you can set the brand for the selected
device.

ProntoNEO is now in Brand mode. 'Brand' and the label of the selected device
appear at the top of the LCD touch screen.

5 Tap **Next** to define the code set of your device.
The code set screen appears. When the brand is already defined like in the default configuration, the code set is displayed.

–or–

Press **Cancel** to exit Brand mode.

```
• BRAND •
     TV
   0081
  1    2    3
  4    5    6
  7    8    9
  0    ←
   Ok  Cancel
```

6 Enter the code set from the 'Table of Brands' from p. 32 onwards.

....
Note   To delete a number, tap ▢ on the LCD touch screen.

In the Table of Brands the brands are ordered alphabetically per device. Some brands use several code sets for the same device. The code sets in the table of brands contain only the basic functions of the devices. It is advised to enter the first code set and try it out. If your device is not responding properly, you should try out the second code set of the brand. Try out all code sets of the brand until you can operate the device to your satisfaction.

....
Note   Defining the brand of your device will not erase the commands you have previously learned to buttons of that device. See 'Learning Commands' on p. 18 for more details.
....

7 Press **OK** to define the brand of your device.
When the code set is correct, you will hear a confirmation beep. The IR codes of the selected device will be installed on the ProntoNEO.
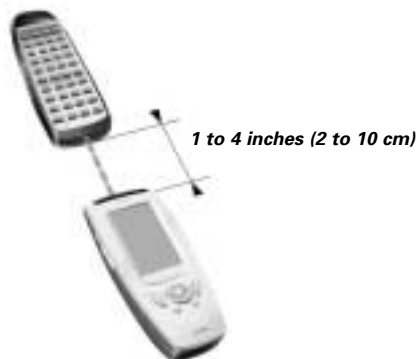
If you entered an incorrect code set, you hear an error beep. A message screen appears.

1 Press **OK**.
  ProntoNEO returns to the code set screen where the incorrect code set is displayed.

2 Look up the correct code set and repeat instructions 6 and 7.

Learning Commands

. . . .

If an IR code or a brand is not in the database, you can program ProntoNEO
commands by transmitting IR signals from your existing remote controls to
ProntoNEO's learning eye. To do this, place ProntoNEO and the device's remote
control on a flat surface, 1 to 4 inches (2 to 10 cm) apart.

1 to 4 inches (2 to 10 cm)

To learn commands from other remote controls, ProntoNEO has to be in Learn
mode. Switching to Learn mode is only possible from a specific device, not from
the Device Overview. See 'Working with Modes' on p. 10.

Per device you can learn all soft and hard buttons on the ProntoNEO, except for:

• the Backlight button;
• the Page Up and Page Down buttons;
• the Mode button;
• the Device button.

■ The Learn Sequence

1 Set the ProntoNEO in Use Mode. See 'Working with Modes' on p. 10.

2 Select the device, e.g. TV, with the buttons you want to learn.
   The device screen appears.

3 Press and hold the **Mode** button for 3 seconds.
   The Mode screen appears.

4 Tap **Learn** on the Mode screen.
 ProntoNEO is now in Learn Mode. 'Learn' and the label of the selected device
 appear at the top of the touch screen.

5 Use, if necessary, the Page Up or Page Down button to go to the next
 button you want to learn.

6 Press the soft or hard button you want to learn on the ProntoNEO.
 The Learn label changes to Learning, which means ProntoNEO is ready to
 receive commands from an existing remote control. The ProntoNEO will wait
 for 5 seconds to receive an IR code from another remote control.

*Note   When a hard button is pressed to learn, there is no on screen feedback to indicate
        which button is pressed.*

7 Press and hold the button on the existing remote control you want to
 learn to the ProntoNEO.
 When the ProntoNEO receives an IR code:
 • You hear a confirmation beep;
 • The label changes from Learning to OK. The Learn sequence has been
   successful.

When the ProntoNEO does not receive an IR code in 5 seconds:

• You will hear an error beep;
• The label changes from Learning to Failed. The Learn sequence has failed.

• ProntoNEO will return to Learn mode. Return to step 5 of the Learn sequence to relearn the button.

Tip   You do not have to wait for the OK or Failed to disappear. If you press another button (soft or hard button), the ProntoNEO Learn sequence immediately goes back to step 5.

8 Go to other pages of the selected device with the Page Up and Page Down buttons. Repeat steps 6 and 7 until you have copied all the commands of the existing remote control.

9 Press **Done** when you have finished learning commands to the buttons of your choice.
   ProntoNEO returns to Use Mode. You can try out the new IR codes or select another device to learn.

Recording Macros

· ·

A macro allows you to send a sequence of commands using one single button. You can for instance, switch on your TV, turn to a movie channel and prepare your VCR for recording by rewinding the videotape. All this can be done be pressing a single button on your ProntoNEO.

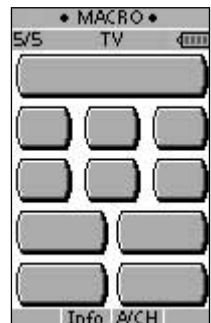To record macros, ProntoNEO has to be in Macro mode.

1 Set the ProntoNEO in Use Mode. See 'Working with Modes' on p. 10.

2 Select the device, e.g. TV, with the buttons you want to program as a macro.
   The device screen appears.

....

Note   Basically, you can assign any button as a macro button. However, it is recommended to assign only the reserved macro buttons on the last page of every device. Use the Page Up and Page Down buttons to go to the last page of the device.

....

3 Press and hold the **Mode** button for 3 seconds.
   The Mode screen appears.

4 Tap **Macro** on the Mode screen.
   A message screen appears. ProntoNEO is now in Macro Mode.

5 Tap Next.
   The device screen with the Macro label appears.
   With the Page Up and Page Down buttons you can go to other screens of the selected device.

6 Tap the soft or hard button you want to select as a macro.
A message screen appears.

```
• MACRO •
   TV        ▥
Press the buttons
you want to record.

You can navigate to
different screens.

Press 'Stop' to
stop recording.

      [Start]
         Cancel
```

7 Tap Start.
The Device Overview appears with the 'Recording' label at the top of the
screen. The buttons you tap on this screen will not be recorded. From the
Device Overview you can go to the different devices or you can press the Extra
hard button to go to the Extra screen with delays and beeps.

```
• RECORDING •
1/2   Device    ▥
 TV        VCR
PreAmp     Tuner
 CD        DBS
 LD        DVD
Tape       CDR
Stop          Extra
```

8 Tap the button of the device you want to go to.
The device screen appears.

```
• RECORDING •
1/5     TV     ▥
 ⊕    (ᐧ)    ☰
 1     2     3
 4     5     6
 7     8     9
-/--   0    P<P
Stop Info A/CH Device
```
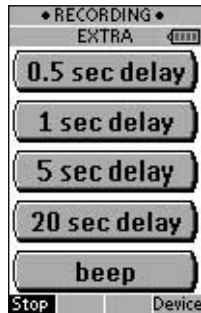
9 Tap the soft or hard buttons with the commands you want to record.

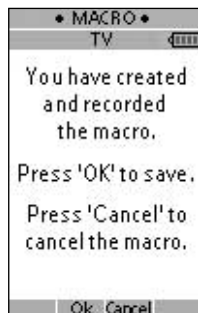10 Press the Page Up and Page Down buttons to go to different screens of the same device.

–or–

Press the Device button to go to the Device Overview again.

11 To add delays and beeps to the macro, press the Extra hard button on the Device Overview.
The Extra screen appears.

1 To add a delay, tap one of the Delay buttons.
By tapping several Delay buttons, the duration of the delay will be increased.

2 To add a beep, tap the Beep button.

3 Press the Device button to go to the Device Overview again.

12 Press Stop to stop recording.
A message screen appears.

13 Press OK to save the macro and return to the Mode screen.
The existing command of the selected button is replaced by the macro.

–or–

Press Cancel to return to the Mode screen without saving the macro.
The button retains its previous command.

14 Set the ProntoNEO in Use mode to test the recorded macro.

If you want to personalize your ProntoNEO even more beyond its standard programming features, NEOedit is the tool for you to use. NEOedit is the ProntoNEO's companion software that you find on the included CD-ROM. You can find more information and updates of the software on http://www.pronto.philips.com.

NEOedit is the visual editor for creating and configuring ProntoNEO Configuration Files (NCF) on your computer. An NCF is a file that is used to define the ProntoNEO behaviour and look for the LCD touch screen.

Note   It is advised to make backup copies of your own configurations. This can be done with NEOedit.

With NEOedit you can:
- define the types and brands of your devices;
- generate the Device Overview;
- design the page layout and the appearance of buttons;
- configure the behavior of the hard buttons and soft buttons;
- access NEOedit's extended help system by pressing F1.
- save, duplicate and share NCFs, devices, buttons, bitmaps or codes with another ProntoNEO;
- preview the NCF on the NEOemulator;
- download the new configurations to your ProntoNEO by means of the included serial cable;

   1 Plug one end of the serial cable in the serial port on your computer.

   2 Plug the other end of the serial cable in the serial port on the ProntoNEO.

Note   When the ProntoNEO is connected to the PC, the battery lifetime may be reduced.

NEOedit

■ Minimum System Requirements

- PC with a Pentium 166 MHz or higher
- Windows 95/98/ME/XP or NT 4.0/2000
- 32 MB of RAM
- 16 MB of free hard disk space
- Free serial port
- CD-ROM player

■ Installing NEOedit from the CD-ROM

1 Place the NEOedit CD-ROM in your computer.
   NEOedit setup will start up automatically. If not, you can install NEOedit by
   double-clicking the NEOeditSetup.exe file on the CD-ROM.

2 Follow the instructions on screen that will guide you through the
   installation procedure.
   The first time you run NEOedit, you have to accept the license agreement.
   Otherwise NEOedit will not run.

■ Important Notices

Take care not to scratch the touch screen
Use your finger to tap the LCD touch screen or use plastic-tipped pens intended for use with touch screens.

Never use an actual pen, pencil or other sharp object on the LCD touch screen.

Protect ProntoNEO from extreme temperatures
Keep ProntoNEO away from heaters and other heat sources.

ProntoNEO is not waterproof
ProntoNEO should not be exposed to rain or moisture.

Do not store or use ProntoNEO in any location that is extremely damp or wet.

When you have spilled water on ProntoNEO, you have to take out the batteries and let ProntoNEO dry for 48 hours before you place the batteries back.

When you have spilled other liquids like coffee on the ProntoNEO, you can clean it with distilled water. Make sure no water gets into the housing.

The touch screen of ProntoNEO contains a glass element
Do not drop ProntoNEO or subject it to any strong impact.

■ Cleaning ProntoNEO

Use a soft, damp cloth to clean ProntoNEO.

If the LCD touch screen of ProntoNEO is spoiled, clean it with a soft cloth moistened with a diluted window-cleaning solution.

Do not use a corrosive detergent or an abrasive sponge.

Avoid the use of abundant water.

FAQ

How do I reset the ProntoNEO?
Under normal circumstances, you will never have to reset the ProntoNEO.
However, on rare occasions, if the ProntoNEO's touch screen freezes or if you
notice unusual behavior, you need to perform a reset to get the ProntoNEO running
again. All customized commands and devices are retained.

1 Slide the battery cover off the back of the ProntoNEO.
   You will see the Reset button in the battery compartment.

2 Use an unfolded paperclip or a sharp pencil to carefully press the
   Reset button.
   The ProntoNEO restarts and an Introduction screen appears. The ProntoNEO
   beeps twice to indicate it is ready for use.

Reset button

How do I revert to the original configuration?
Reverting to the original configuration restores the ProntoNEO's devices and
commands to its state when you purchased it. This means that all programming is
lost permanently. Normally, you never have to revert the ProntoNEO. See 'Revert'
on p. 14.

1 Press and hold the Mode button for 3 seconds.
   The mode screen appears.

2 Tap the **Setup** button.

3 Scroll to the third setup page.

4 Tap the **Revert** button.
   A message screen appears to confirm or cancel the revert process.

5 Press OK or Cancel.

Do I have to calibrate the touch screen?
The ProntoNEO's touch screen is calibrated when it leaves the factory. You only
have to calibrate the LCD touch screen when you upgrade ProntoNEO's software in
the future.

Troubleshooting

▊ General Problems

The display stays blank or becomes black
• Make sure the batteries are properly installed.
  See "The Batteries" on page 3.
• Press the Backlight button to make sure ProntoNEO and the backlight are
  turned on.
  See 'Turning on the Display and the Backlight' on p. 6.
• Adjust the contrast using the Backlight button and the Page Up or Page Down
  buttons on the left side of ProntoNEO.
  See 'Changing the LCD Contrast' on p. 7.

The display is too light or too dark
• Adjust the contrast using the Backlight button and the Page Up or Page Down
  buttons on the left side of ProntoNEO.
  See 'Changing the LCD Contrast' on p. 7.

ProntoNEO shuts off automatically
• This is a timeout feature of the ProntoNEO to save power. You can change
  the time ProntoNEO stays on in the Settings.
  See 'Adjust the LCD Timeout' on p. 12.

Devices do not respond to commands from ProntoNEO
• Make sure ProntoNEO is in Use mode. See 'Working with Modes' on p. 10.
• Make sure ProntoNEO's sending LED is pointed towards the device you're
  operating.
• Check if the battery level is low. If so, replace the batteries.
  See 'The Batteries' on page 3.
• Check if you have defined the correct brands for your devices.
  See 'Defining the Brands of Your Devices' on p.15.
• Check if the button you are trying to use is assigned properly via Brand mode,
  Learn mode or Macro mode. See 'Defining the Brands of Your Devices' on
  p. 15, 'Learning Commands' on p. 18 and 'Recording Macros' on p. 21.

ProntoNEO does not learn commands from an existing remote control
• Press and hold the buttons on the existing remote control for a longer or
  shorter period of time.
• Make sure the distance between the ProntoNEO and the existing remote
  control is between 1 and 4 inches (2 to 10 cm).
  See 'Learning Commands' on p. 18.
• Do not learn commands directly under fluorescent lights.
• Do not learn commands on a reflecting table surface.
• Check if the battery level is low. If so, replace the batteries.
  See 'The Batteries' on page 3.
• Check if there is sufficient memory to learn commands. If not, revert the
  ProntoNEO. See 'ProntoNEO Information' and 'Revert' on p. 14.

ProntoNEO is not recognized by the NEOedit software
- Make sure the serial cable is properly connected. See 'NEOedit' on p. 25.
- Disconnect other equipment connected to the serial ports, e.g. PDA's.
- Plug the serial cable in another serial port.
- Try to connect multiple times.

▊ Programming Problems

Buttons are not sending the correct commands
- Check if you have defined the correct brands for your devices.
  See 'Defining the Brands of Your Devices' on p. 15.
- Check whether the button of the device is learned properly.
  See 'Learning Commands' on p. 18.
- Check whether the macro is recorded properly.
  See 'Recording Macros' on p. 21.

ProntoNEO will not switch modes
- Replace the batteries. When the batteries are low ProntoNEO prevents you
  from switching to customizing modes so that no customization can get lost.

ProntoNEO is low on memory
- Revert the ProntoNEO. See 'Revert' on p. 14.

The configuration file is corrupted
- When this unlikely event occurs, you have to revert to the original
  configuration or use NEOedit to download a new configuration file. All your
  customized commands and devices will be lost and you will have to reprogram
  your ProntoNEO. If you use NEOedit, it is advised to make backup copies of
  your customized configurations. See 'Revert' on p. 14 and 'NEOedit' on p. 25.

ProntoNEO error message
If the error message 'Invalid CF version or corrupt Flash!' occurs:

- Use the Reset button on the back of the ProntoNEO.
  See 'How do I reset the ProntoNEO?' on p. 28.
- Try to recover the ProntoNEO Configuration File (NCF) by downloading a
  backup copy or the default file from NEOedit.
  See 'NEOedit' on p. 25.
- Go to the Philips website http://www.pronto.philips.be for more information.

The specifications and design of this product are subject to change without notice.

Display	Monochrome touch screen LCD with 4 gray levels and digital contrast control.
	Resolution: 160 x 100 pixels
	Blue EL backlighting for LCD and hard buttons
Interface	3-wire (RS232) serial port connector
Software	Database with IR codes to operate different brands
	Built-in Philips RC codes
	Total number of devices limited only by memory
Infrared (IR)	Infrared sending LED and learning eye
	Operating distance of 33 feet (10 meters)
	Learning frequency up to 56 kHz and 455 kHz
	Learning distance 1 inch (2 cm) up to 4 inch (10 cm)
Memory	1 MB non-volatile flash memory
Batteries	3 AA-batteries (3 x 1,5V): primary or rechargeable
Power management	Power on by tapping the LCD touch screen or by pressing the Backlight button
	Power off automatically
Dimensions	7.8 inch x 3 inch x 1.3 inch (177mm x 74mm x 33mm)
Operating temperature	41°F to 113°F (5°C to 45°C)
Accessories	RS232 cable for PC connection
	CD-ROM with NEOedit software
	3 AA-batteries

Database information:
Designed
by UEI Technology
Licensed under U.S. Patent 5,689,353
Portions © UEI 1999

Table of Brands

PreAmp

Carver	0296
Curtis Mathes	0327
GE	0105
JVC	0358
Linn	0296
Magnavox	0296
Marantz	0296
Optimus	0422, 0327
Philips	0296
Pioneer	0327
Polk Audio	0296
RCA	0327
Realistic	0422
Sony	0716, 0247
Soundesign	0105
Victor	0358
Wards	0105
Yamaha	0381

Cable

ABC	0030, 0034, 0035
Allegro	0180, 0342
Americast	0926
Archer	0180, 0824
Bell South	0926
Century	0180
Citizen	0180, 0342
Comtronics	0067
Contec	0046
Emerson	0824
Everquest	0042, 0067
Focus	0427
Garrard	0180
Gemini	0042, 0824
General Instrument	0503, 0837
GoldStar	0067, 0171
Goodmind	0824
Hamlin	0047, 0036, 0286, 0061
Hytex	0034
Jasco	0042, 0180, 0342
Jerrold	0030, 0039, 0503, 0042, 0837
Memorex	0027
Motorola	1133
Movie Time	0090
NSC	0090
Oak	0046, 0034
Optimus	0048
Panasonic	0048, 0134, 0027

Paragon	0027
Philips	0180, 0332, 0344
Pioneer	0171, 0560, 0904
Popular Mechanics	0427
Pulsar	0027
Quasar	0027
RCA	0048
Radio Shack	0042, 0910, 0342, 0824
Recoton	0427
Regal	0047, 0286
Runco	0027
SL Marx	0067
Samsung	0067, 0171
Scientific Atlanta	0035, 0504, 0904
Signal	0042, 0067
Sprucer	0048
Starcom	0030, 0042
Stargate	0067, 0042, 0824
Starquest	0042
TV86	0090
Teleview	0067
Tocom	0039
Toshiba	0027
Tusa	0042
Unika	0180
United Artists	0034
Universal	0180, 0218
Viewstar	0090
Zenith	0027, 0552, 0926
Zentek	0427

CD/CDR

Aiwa	0151, 0184
Burmester	0447
California Audio Labs	0056, 0330
Carver	0184, 0206, 0464
DKK	0027
Denon	0030, 0900
Emerson	0332
Fisher	0201, 0206
Garrard	0420, 0447
Genexxa	0059, 0332
Harman/Kardon	0184, 0200
Hitachi	0059
JVC	0099
Kenwood	0055, 0217, 0853, 0064, 0653, 0708
Krell	0184
LXI	0332

Linn	0184
MCS	0056
MTC	0447
Magnavox	0184, 0332
Marantz	0184, 0653, 0056, 0207
Mission	0184
NSM	0184
Nikko	0201
Onkyo	0128, 0895
Optimus	0059, 0495, 0447, 0206, 0464, 0332, 1090, 0027, 0064, 0172
Panasonic	0056, 0330
Parasound	0447
Philips	0184, 0653
Pioneer	0059, 0495, 0271, 0332, 1089, 1090
Polk Audio	0184
Proton	0184
QED	0184
Quasar	0056
RCA	0080, 0059, 0495, 0332, 1089, 0206, 0791
Realistic	0206, 0207, 0447
Rotel	0184, 0447
SAE	0184
Sansui	0184, 0332
Sanyo	0206
Scott	0332
Sears	0332
Sharp	0064, 0207, 0888
Sherwood	1094, 0207
Sonic Frontiers	0184
Sony	0027, 0212, 0517
Soundesign	0172
Tascam	0447
Teac	0420, 0447, 0201, 0207
Technics	0330, 0056
Victor	0099
Wards	0080, 0184
Yamaha	0214, 0063, 0915
Yorx	0488

Tape

Aiwa	0224, 0056
Carver	0056
Denon	0103
Harman/Kardon	0209, 0056
JVC	0271
Magnavox	0056

Marantz	0056
Optimus	0054, 0247
Philips	0056
Pioneer	0054, 0247
Polk Audio	0056
RCA	0054, 0247
Sansui	0056
Sony	0270, 0197, 0318
Wards	0054
Yamaha	0124

LD (Laser Disc)

Carver	0221
Denon	0086
Harman/Kardon	0221
Magnavox	0221
Marantz	0221
Mitsubishi	0086
NAD	0086
Optimus	0086
Philips	0221
Pioneer	0086
Polk Audio	0221
Sony	0228
Theta Digital	0221

Tuner

ADC	0558
Aiwa	0148, 1432, 1116
Capetronic	0558
Carver	0069, 1116, 1216
Casio	0222
Clarinette	0222
Denon	1187, 1131
Fisher	0069
Garrard	0490
Harman/Kardon	0137
JBL	0137
JVC	0101
Kenwood	1054, 0069, 0213, 1340, 1596, 1597
Lloyd's	0222
MCS	0066
Magnavox	0418, 1116, 0558, 1216, 0222
Marantz	1116, 1216, 0066
Modulaire	0222
Nakamichi	0124
Onkyo	0162
Optimus	1050, 0213, 0558, 0069

Panasonic	0066, 1545
Penney	0222
Philips	1116, 1216, 1296, 0418
Pioneer	0177, 0558, 1050
Proscan	1281
Quasar	0066
RCA	1281, 0558, 1050
Realistic	0222
Sansui	1116
Sharp	0213
Sherwood	0529
Sony	1185, 1085, 1285
Sunfire	1340
Teac	0490
Technics	0066, 1335, 1545, 1336
Thorens	1216
Victor	0101
Yamaha	0203, 0213, 1203
Yorx	0222

DBS (Sattelite)

AlphaStar	0799
Echostar	1032, 0802
Expressvu	0802
GE	0593
General Instrument	0388, 0896, 0654
HTS	0802
Hitachi	0846
Hughes Network Systems	0776
JVC	0802
Jerrold	0388, 0654
Magnavox	0749, 0751
Memorex	0751
Next Level	0896
Panasonic	0728
Philips	1103, 0749, 0751
Primestar	0654, 0388
RCA	0593, 0170, 0419, 0882
Radio Shack	0896
Samsung	1136
Sony	0666
Star Choice	0896
Toshiba	0776, 0817
Uniden	0751, 0749
Zenith	0883

TV

AOC	0046, 0057
Admiral	0120, 0490
Aiko	0119
Akai	0057
Alaron	0206
America Action	0207
Anam	0207
Audiovox	0119, 0207, 0478, 0650
Baysonic	0207
Belcor	0046
Bell & Howell	0043, 0181
Bradford	0207
Brockwood	0046
Broksonic	0263, 0490
CXC	0207
Candle	0057, 0083
Carnivale	0057
Carver	0081
Celebrity	0027
Cineral	0478, 0119
Citizen	0083, 0057, 0087, 0119
Concerto	0083
Contec	0207
Craig	0207
Crosley	0081
Crown	0207
Curtis Mathes	0087, 0057, 0043, 0074, 0078, 0081, 0083, 0120, 0172, 0181, 0193, 0478, 0774, 1174, 1374
Daewoo	0119, 0650, 0046, 0651, 0478
Daytron	0046
Denon	0172
Dumont	0044, 0046
Electroband	0027
Emerson	0263, 0207, 0205, 0206, 0490, 0651, 0650, 0046, 0181
Envision	0057
Fisher	0181
Fujitsu	0206, 0710
Funai	0207, 0198, 0206
Futuretech	0207
GE	0048, 0074, 1374, 0078, 0205, 0478, 1174, 0120, 0774
Gibralter	0044, 0046, 0057
GoldStar	0205, 0046, 0057, 0083
Gradiente	0083, 0080
Grunpy	0206, 0207

Hallmark	0205
Harley Davidson	0206
Harman/Kardon	0081
Harvard	0207
Hitachi	0172, 0083, 0043
Infinity	0081
Inteq	0044
JBL	0081
JCB	0027
JVC	0080
KEC	0207
KTV	0207, 0057
Kenwood	0057, 0046
Konka	0734, 0659, 0655, 0665, 0730
LG	0083
LXI	0181, 0074, 0081, 0183, 0205, 0774
Logik	0043
Luxman	0083
MGA	0177, 0046, 0057, 0205
MTC	0087, 0057, 0046, 0083
Magnavox	0081, 0057, 0206, 1281
Majestic	0043
Marantz	0081, 0057
Matsushita	0277
Megatron	0172, 0205
Memorex	0206, 0490, 0205, 0043, 0083, 0177, 0181, 0277
Midland	0044, 0074, 0078, 0774
Minutz	0048
Mitsubishi	0177, 0205, 0046, 0120
Motorola	0120
Multitech	0207
NAD	0183, 0193, 0205
NEC	0057, 0046, 0083
NTC	0119
Nikko	0205, 0057, 0119
Onwa	0207
Optimus	0277, 0193, 0181
Optonica	0120
Orion	0490, 0206, 0263
Panasonic	0078, 0277
Penney	0074, 1374, 0087, 0057, 0048, 0205, 0078, 0046, 0083, 0183, 0774
Philco	0172, 0046, 0057, 0081, 0490
Philips	0081
Pilot	0046, 0057
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Portland	0046, 0119
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Prism	0078
Proscan	0074, 0774
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Pulsar	0044, 0046
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RCA	0074, 1374, 1174, 1274, 0706, 0046, 0078, 0120, 0774, 1074, 1474
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Tandy	0120
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Technol Ace	0206
Techwood	0078, 0083
Teknika	0043, 0081, 0206, 0207, 0046, 0119, 0083, 0087, 0177
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Toshiba	0183, 0087, 0181, 1283
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Victor	0080
Vidikron	0081
Vidtech	0046, 0205

Wards	0081, 0205, 0043, 0046, 0048, 0057, 0083, 0206
White Westinghouse	0651, 0650, 0490
Yamaha	0046, 0057
Zenith	0044, 0651, 0043, 0119, 0490

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Admiral	0075, 0236
Adventura	0027
Aiko	0305
Aiwa	0027, 0064
Akai	0068
America Action	0305
American High	0062
Asha	0267
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Cineral	0305
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Craig	0064, 0099, 0074, 0267, 0298
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Daewoo	0305, 0072
Denon	0069
Dynatech	0027
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Singer	0099
Sony	0059, 0027, 0062, 0663
Sylvania	0062, 0108, 0027, 0070
Symphonic	0027
TMK	0267
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Teac	0027, 0068
Technics	0062, 0189
Teknika	0027, 0062, 0064
Thomas	0027
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Totevision	0064, 0267
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White Westinghouse	0099, 0305, 0236
XR-1000	0099, 0027, 0062
Yamaha	0065
Zenith	0066, 0027, 0236, 0506

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Apex	0699
Denon	0517
Fisher	0697
GE	0549
Hitachi	0691
Hiteker	0699
JVC	0650, 0585
Kenwood	0709, 0561
Konka	0746, 0738, 0747, 0748
Magnavox	0530, 0702
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Mitsubishi	0548
Onkyo	0530
Optimus	0598
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