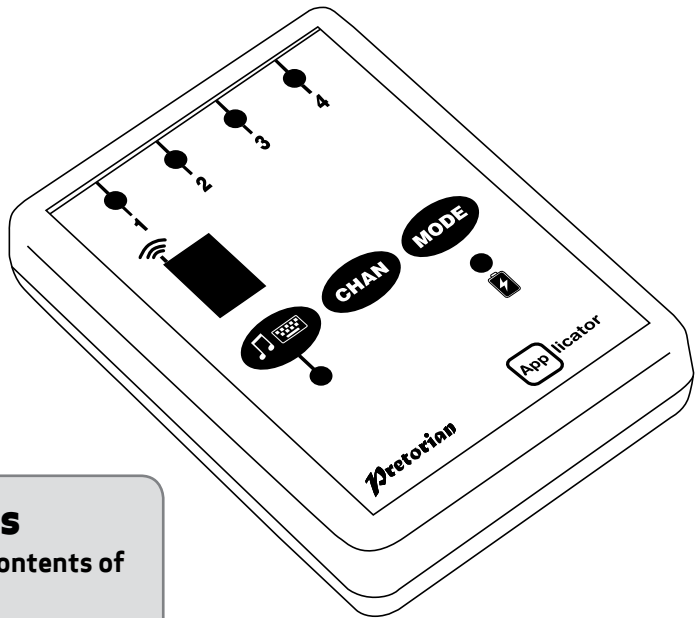# Pretorian
TECHNOLOGIES LTD.

INSTRUCTIONS

APPlicator iPad/iPhone/iPod Access Device

Pack Contents

Carefully check the contents of the box, which are:

APPlicator unit
USB charging cable
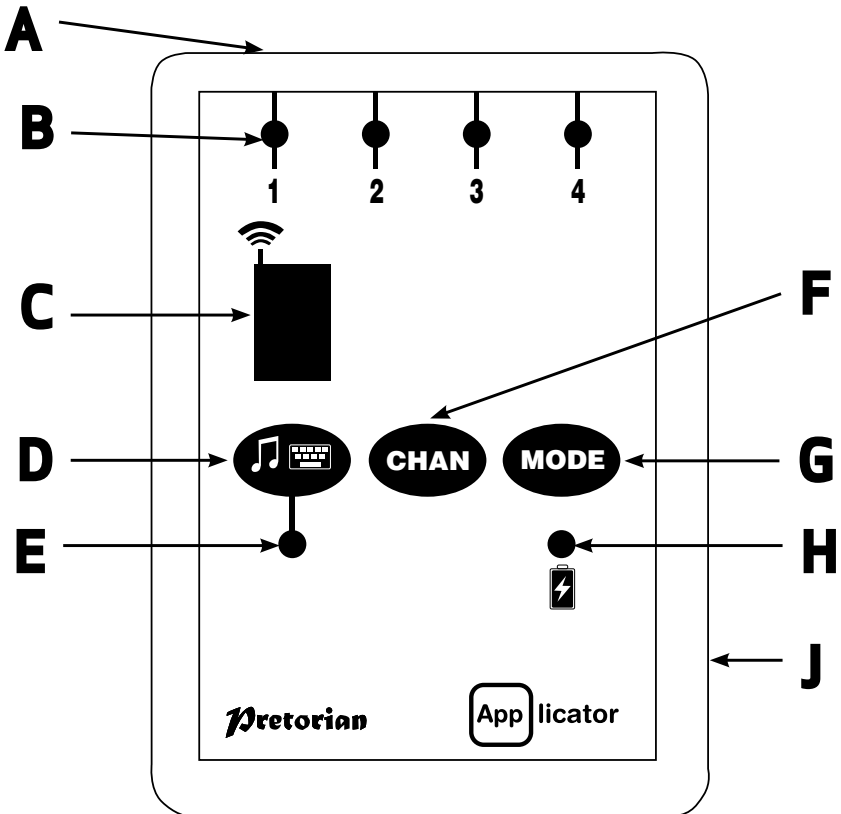**These instructions**

Product Description

APPlicator is a switch access device specifically designed for the iPad/iPhone/iPod and is the only single device to give you access to both switch adapted apps and your music.

Specifically designed around users' needs, **APPlicator** is simple to set up

and use, but loaded with features to cater for all requirements. Although simple to operate, to ensure you get the best experience from using your new **APPlicator**, please take time to read this instruction booklet.

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Features

- Pairs directly with your iPad/iPhone/iPod without PIN entry.

- Connect up to four wired switches of any type.

- Function of each socket may be individually selected.

- QuickMedia™ mode allows instant access to media player functions.

- Integral button allows on-screen keyboard to be displayed or hidden at any time.

- 20m (64') operating range.

- Integral lithium-ion rechargeable battery.

- Charged from any USB socket.

Compatibility

Your **APPlicator** is compatible with the following Apple products:

iPad 1/ iPad 2/ new iPad
iPod Touch 3rd and 4th Generations
iPhone 3GS and 4.

Android tablets vary enormously in specification so compatibility with these products is dependent upon the specific tablet. Please contact Pretorian Technologies or your local distributor for guidance.

Throughout these instructions, all references to iPad should be taken as meaning any of the above Apple products.

Charging your APPlicator

Ensure that the integral battery is fully charged by plugging the charging cable into **APPlicator** and then into a computer USB port. The charging LED (H) will illuminate green to show that charging is taking place. Once charged, the charging light is extinguished.

Connecting to your iPad/iPhone/iPod

Wake up **APPlicator** by pressing any button. The display (C) will begin to show a rotating pattern to indicate it is searching for a device to connect with. If you don't see this pattern, refer to the 'Re-Connecting your APPlicator' section of these instructions.

Go to the Bluetooth menu on your iPad (Settings ➤ General ➤ Bluetooth). First of all ensure Bluetooth is turned on using the slider at the top of the screen.

After a few seconds the **APPlicator** should appear as a 'discoverable' device. It will appear as something similar to:

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Tap on the name and the pairing process will begin. Typically it takes around 20 seconds to connect, after which the iPad will state that the device is 'Connected'. Your **APPlicator** is now ready for use.

Notes about Bluetooth Connections

Once connected with a particular iPad, it will no longer be visible ('discoverable') by other iPads. If you turn your iPad off, turn off Bluetooth or if you go out of range of the **APPlicator**, the connection between the two devices is automatically re-established when you next power on, turn Bluetooth on or go back into range.

If you wish to connect with a different iPad at any time, please refer to the 'Re-Connecting your **APPlicator**' section of this manual.

Accessing switch-adapted Apps.

First of all, plug up to four wired switches into the sockets provided (A). Any switch with a standard 3.5mm plug may be used, including sip/puff, pad switches, grasp switches etc.

The default modes for the sockets are given in Table 1:

Socket	Default Mode
1	Space
2	Enter
3	-1
4	-3

Table 1: Default Socket Modes

Although the default settings cover the vast majority of switch adapted Apps, you may wish to make some changes to suit your preferences.

To change any setting, first select the channel which you would like to change by repeatedly pressing the Channel button (F) until the LED (B) adjacent to that channel is illuminated.

The current setting is then shown on the display (C). To change it' press the Mode button (G) until the desired setting appears on the display. Table 3 shows the available settings. After a few seconds the display is extinguished to save power and the setting saved.
This process may be repeated for any number of sockets.

Any combination of settings can be programmed, including duplicates, should you wish to use APPlicator for turn-taking and cooperation.

Mode Setting	Class	Function
0	Keyboard	Numeral 0
1	Keyboard	Numeral 1
2	Keyboard	Numeral 2
3	Keyboard	Numeral 3
4	Keyboard	Numeral 4
5	Keyboard	Space
6	Keyboard	Enter
7	Keyboard	-1
8	Keyboard	-3
9	Keyboard	Up Arrow
A	Keyboard	Down Arrow
B	Keyboard	Left Arrow
C	Keyboard	Right Arrow
D	Op. System	Keyboard
E	Media	Play/Pause
F	Media	Skip Forward
G	Media	Skip Back
H	Media	Volume Up
J	Media	Volume Down
L	Media	Mute
P	Media	Timed Play 10s
R	Media	Timed Play 30s

Table 3: Switch Functions

Accessing Music/Media

Many of the settings in Table 3 give access to the iPad media player rather than to switch adapted Apps. Any channel may be programmed to use these settings and they may be mixed with switch adapted App settings in any sequence at all. Selecting these settings is exactly as described above.

QuickMedia™ Mode

QuickMedia™ mode is designed to allow you rapid access to the iPad media player without needing to re-program the unit. Typically, you may be using a switch adapted App, during which time you would like to listen to a passage of music. This is easily achieved using **APPlicator** without even quitting your switch adapted App!

Simply press the QuickMedia™ button (D) briefly. QuickMedia™ LED (E) lights and the sockets now assume the fixed functions given in Table 2.

Socket	Default Mode
1	Play/Pause
2	Skip Forward
3	Skip Back
4	Timed Play (10 sec)

Table 2: QuickMedia™ functions

(Please see notes below on using Timed Play settings).

Once in QuickMedia™ Mode, pressing any switch gives the functions listed in Table 2. Your iPad is designed to allow the media player to be accessible from within any other App, so if you're busy using another App, there's no need to quit.

Note that after a minute the QuickMedia™ LED flashes to conserve battery life.

Pressing the QuickMedia™ button once more returns you to normal operation and the QuickMedia™ LED is extinguished.

On-Screen Keyboard

Because your **APPlicator** appears to the iPad as a keyboard, the iPad automatically turns off the on-screen keyboard. This can cause difficulties in some Apps which require a typed input such as entering a user's name.

To overcome this, **APPlicator** allows you to deploy the on-screen keyboard manually at any time. Simply press and hold the QuickMedia™ button (D) for about one second. After this time the on-screen keyboard will be deployed automatically. To turn it off again, press and hold the QuickMedia™ button for a further second.

Note that the iPad only allows the on-screen keyboard to be deployed when a text input box is selected.

Timed Play

Timed Play settings allow you to create a 'reward' for pressing a button, completing a task, or any number of other outcomes. You have a choice of 10 or 30 seconds play time.

Because this setting uses the 'Play/Pause' command, it is important that the iPad is paused (not playing) before you press the switch to give timed play, otherwise the iPad will pause for a timed period instead of playing.

If a switch programmed to Play/Pause is pressed during a timed play, the timed play will be cut short and the unit will be Paused.

Skip Forward and Skip Back commands have no effect on the duration of a timed play.

If you wish to end a timed play early, you can either use a switch already programmed to Play/Pause or you can switch to QuickMedia™ and use switch 1.

Re-Connecting your APPlicator

If, when waking up your **APPlicator**, the rotating pattern does not appear on the display, this indicates that the unit is already connected to another iPad in the vicinity. In this case you will need to 'forget' this connection before you can re-connect with another unit.

Similarly, if you have been using your **APPlicator** with a particular iPad that is still in the vicinity and you wish to swap it to another, you will also need to forget the existing connection.

Go to the Bluetooth menu on your iPad (Settings ⟶ General ⟶ Bluetooth) and tap the blue arrow adjacent to the unit name, for example:
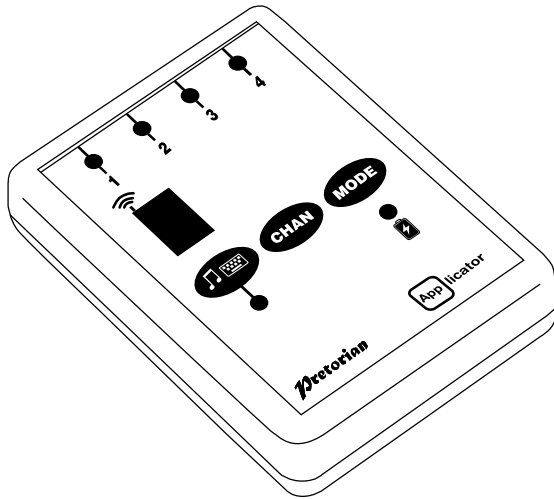
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Then tap on 'Forget this device'. At this point the unit is no longer connected with the original iPad and will appear as a 'discoverable' device on all iPads in the vicinity. You can then re-connect with a different iPad by again tapping on the unit name in the Bluetooth menu.

Automatic Sleep Mode

To conserve battery life, **APPlicator** automatically enters a low-power sleep mode if it remains unused for an hour. Pressing any external switch or any button on the unit instantly wakes it again. While asleep, the connection with the iPad is lost but is automatically re-established within a few seconds of wake-up.

If the unit remains unpaired for more than 5 minutes, it will also enter low-power sleep mode. Press any button or switch to wake the unit.

Battery Life and Battery Charging

A fully charged battery gives approximately 40 hours of use. When the battery is getting low, the Charging LED (H) begins to blink red. This is an indication that you should charge the battery soon.

Plug the charging cable into the charging socket (J) and then into a USB socket on a computer. Ensure the computer is turned on.

While charging, the Charging LED will be illuminated green. Once charging is complete (a matter of a few hours if fully discharged) the charging LED will be extinguished. You can then unplug the cable.

Note that you can carry on using **APPlicator** *while it is charging.*

APPlicator *plugs into a computer USB port for charging purposes only - it does not give a functional connection this way.*

Maintenance

Your **APPlicator** has no user serviceable parts. If repair is necessary the unit should be returned to Pretorian Technologies or an authorised distributor.

APPlicator contains a lithium ion battery that isn't user replaceable. Although the unit uses the very latest battery technology, it may eventually need to be replaced. Please return the unit to Pretorian Technologies for such replacement.

Disposal of batteries is often subject to local laws. Please consult your local authorities for information relating to your locale. Never dispose of a battery in fire.

Troubleshooting

If your **APPlicator** doesn't operate correctly, please use the following guide to determine the cause. If, after following this guide, your unit still doesn't operate, please contact your supplier before returning it.

Symptom	Possible Cause/ Remedy
My **APPlicator** is not 'discoverable' on my iPad	• Ensure battery is charged. • Ensure unit is awake by pressing any button. • Unit may be connected with another iPad which is in range. Use 'forget this device' in Bluetooth menu of other iPad to make unit available again.
My **APPlicator** has been connected to this iPad before but won't connect now.	• Re-connection should be automatic but if difficulties persist, try 'forget this device' and then re-connect. This usually resolves any connection issues.
When I select timed play, the music stops.	• Ensure iPad playback is paused before selecting a timed play.

Warranty

Your **APPlicator** is warranted against defects in manufacture or component failure. The unit is designed for domestic and educational applications. Use outside these areas will invalidate the warranty. Unauthorised repair or modification, mechanical abuse, immersion in any liquid or connection to incompatible equipment will also invalidate the warranty.

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