

***Logjam Chameleon®***

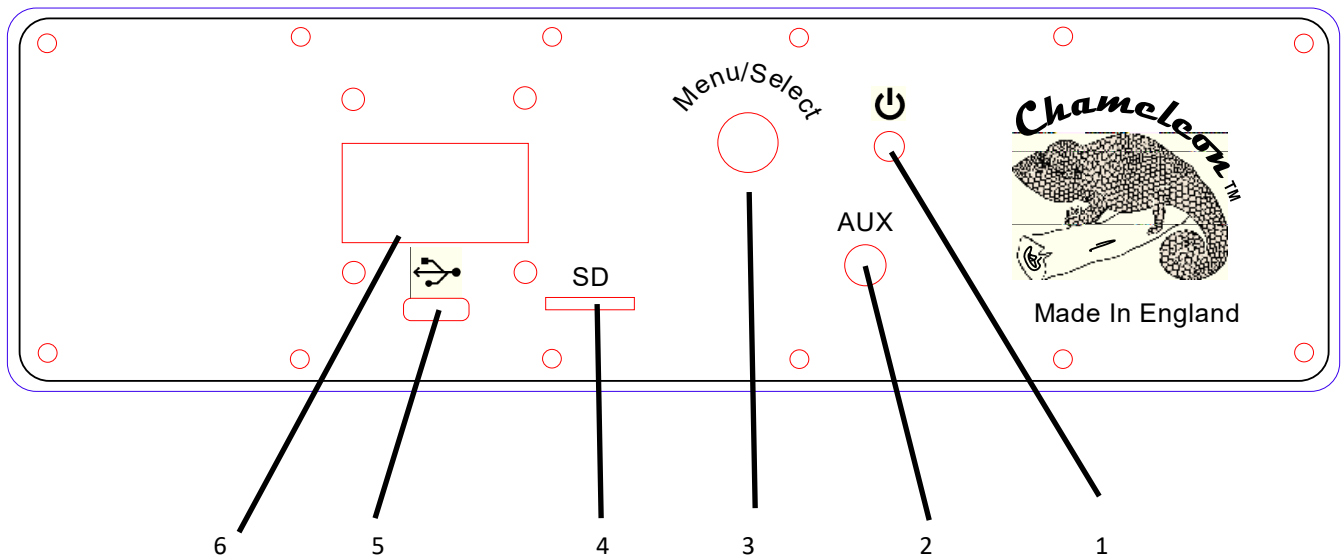
## **Operation Manual**

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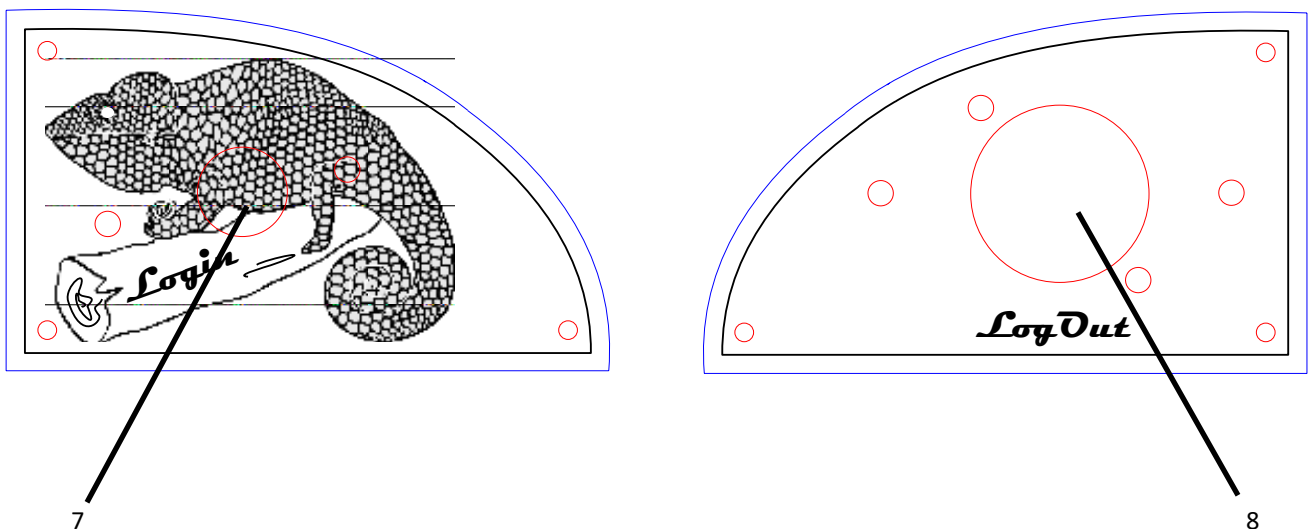
# Logjam Chameleon Instructions

## Front Panel



- 1) Power Button (Hold to power on. Hold to power off and confirm on menu select button)
- 2) Auxiliary input (mini jack socket). (Channel 2)
- 3) Selector Switch (Turn to select function & push to change & save settings)
- 4) Micro SD Card slot. Any capacity. Max speed recommended. **Please note that the SD card MUST be placed upside down, with the contacts facing upwards and the label facing downwards.**
- 5) USB slot for powering and/or charging unit. (Use standard Android phone charger) Can also be used for data input.
- 6) OLED Display

## Side panels



- 7) Login - 6.35mm (1/4") jack socket (Channel 3)
- 8) Logout - Neutrik combo XLR & 6.35mm (1/4") jack socket (Audio Out)

## Out Of The Box!

Thank you for buying one of our Chameleons! Before you take it out and perform with it 'in the wild', we wanted to explain a few things so please bear with us. We know reading instruction manuals can be a chore.

We know you might want to get started with this straight away, so we have adjusted the default settings accordingly. This means that, using the '**Quick Start Guide**' (in the box and also available online either in our Complete Instructions or separately), **you can be stomping within minutes** using the percussion surface, either with your foot or hand.

One of the best things about the Chameleon is that it can be **as adaptable as you need it to be** and the more you learn about it, the more you can do.

It is a 3 channel device. This means you can play sounds using the touch sensitive surface, plug in an external stomper to the mono jack socket (AUX) in order to trigger sounds this way, and use the (Login) 3rd input to add in an external instrument—this could be your guitar or even another stomper.

You can load your own sound samples (including drum loops or backing tracks) onto a micro SD card by transferring your sounds from your computer using a card reader.

Want a simple, plug-and-play kick-ass stomper that adds amazing thud and bass beats to your music? No problem. Want to use your faithful old Logarhythm footdrum whilst the Chameleon plays your snare sample and mix your guitar through Login? Easily done. Don't have enough inputs on your amp and want a 3-piece drum kit? The Chameleon's got your back. It's even got a rechargeable battery which will last you approximately 24 hours, so you don't have to worry about doing outdoor gigs where power sources may be limited.

However you want to get started, it's OK. Scan through the **Quick Start Guide** and get stomping. Take a seat and read through the **Complete Instruction Manual** in depth and learn all the secrets in one go... that's fine, too. It's shorter than War and Peace! Or print off the **Chameleon Menu Structure**, pin it up on the wall and study it instead of watching TV. That's what the Chameleon is all about, at the end of the day— doing it **YOUR WAY**.

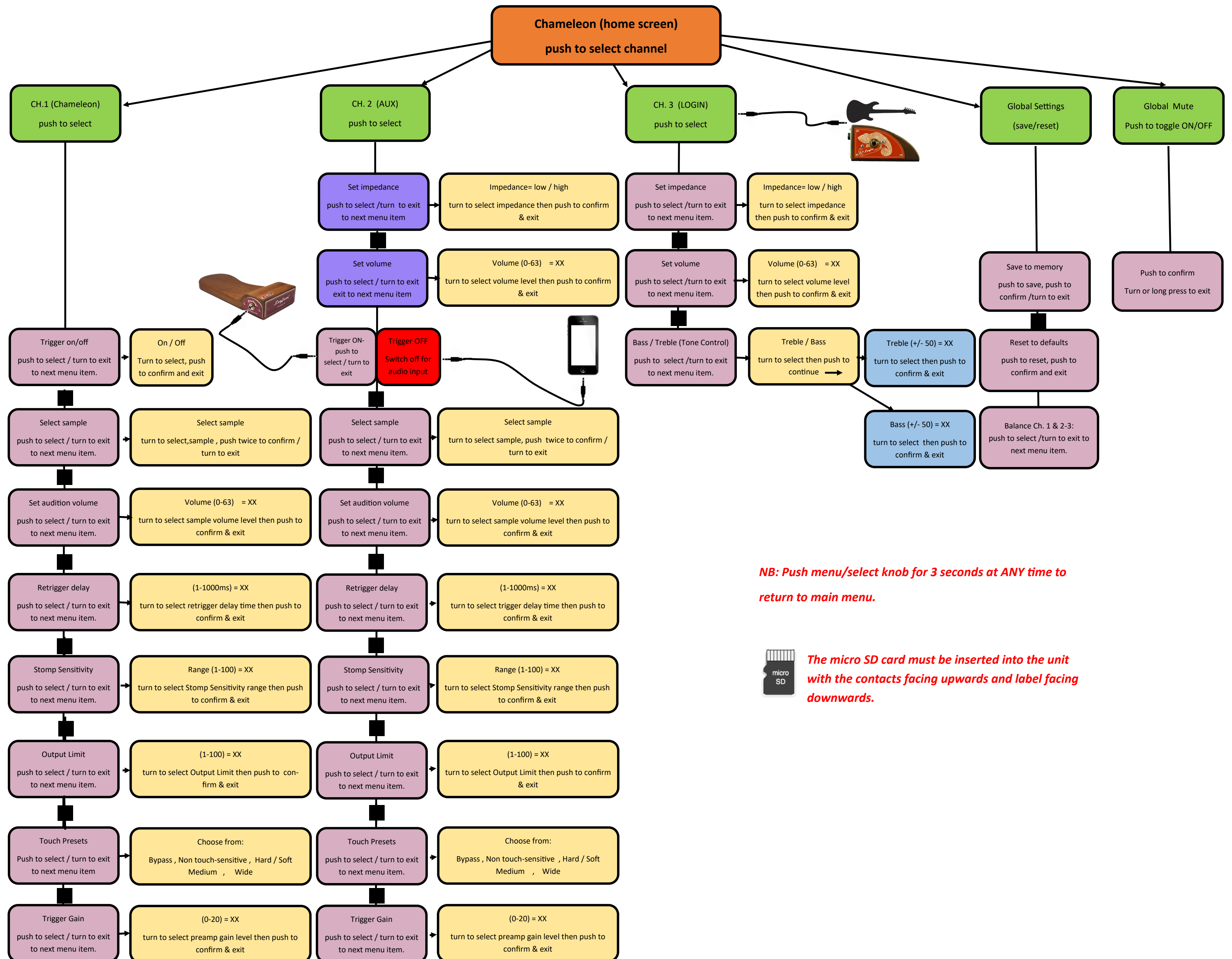
Have fun! And if you want to get in touch with us, call (+441568 613606), email (sales@logjam.net) or send a carrier pigeon. We are always pleased to hear from our customers with comments, suggestions or questions.

## Chameleon Quick Start Guide



If necessary, adjust the settings referring to the instructions on the PDF which you can download from our website at [www.logjam.net](http://www.logjam.net). These will also give you a proper understanding of all of your Chameleon's many functions.

# Logjam Chameleon Menu Structure



## Logjam Chameleon Channel Overview

The Chameleon is a 3 channel device. Please refer to the flow diagram on page 6, and to the brief description below:

Channel 1 (internal) is set up for you to play samples using the touch-sensitive percussion surface of the unit itself.

Channel 2 or “AUX” is set up for you to trigger sounds from an external stomper via the 3.5mm mono jack socket. You may need to use a cable with a 6.35 mm jack at one end and a 3.5mm at the other end (you can purchase these on our website).

Channel 3 or (Login) allows you to mix in an external instrument. You could, if you want, put another stomper through this input but you could equally put a guitar through this jack. This input has a tone control so that you can adjust the tone of your instrument on this channel.

All three channels access the same balanced Neutrik combo “LogOut” socket. This allows you to use either a standard guitar cable or a balanced XLR cable. You will need a male to male adapter if you want to use an XLR cable.. (These cables are available on our website: [www.logjam.net](http://www.logjam.net)).

We will now show you how to use the unit. In order to make things simple we will give you separate instructions for each channel and for the global settings. Upon turning the unit off, your settings will automatically be saved. If there are any terms that you are unfamiliar with (such as impedance), please refer to the glossary on page 18.

To switch on, hold and press the power button ( to switch off hold the button and confirm on the menu select button)

Now please turn to the next page ...

***NB: Push menu/select knob for approximately 3 seconds at ANY time to return to main menu.***

## Channel 1 (Internal) Instructions

- 1) **Trigger On/Off** : This determines whether the touch-sensitive surface of the unit will be switched on or off. Push to select then turn for on/off. Push again to confirm and exit. Turn for next menu item.
- 2) **Select Sample** : This allows you to select from a menu of preset samples and also those you may have programmed into a micro SD card. Push to select item then turn to select samples. Push twice to confirm your choice. Turn for next menu item.
- 3) **Audition Volume**: This determines the Channel 1 audition volume. The graphic image shows minimum to maximum from bottom to top of the display. Push to select item. Turn to select the desired volume then push again to confirm and exit. Turn for next menu item. (NB: this function does not affect the output volume of the Chameleon).
- 4) **Retrigger Delay**: This determines the time it takes in milliseconds before you are able to trigger the selected sample again. A typical useful value would be 300 ms. Push to select item, turn to select value then push again to confirm and exit. Turn for next menu item.
- 5) **Stomp Sensitivity**: The sensitivity can be set from level 1 (which is the least sensitive) to 100 (which is the most sensitive). You can adjust this setting to suit your stomping style and choice of footwear. Push to select item, turn to select value then push again to confirm and exit. Turn for next menu item.
- 6) **Output Limit**: This setting limits the peak volume of the sample selected. It is handy in order to avoid feeding too high a signal into your amp/mixer. This setting has a range of 1-100. Push to select item, turn to select value then push again to confirm and exit. Turn for next menu item.
- 7) **Touch Presets**: The touch preset function gives you the opportunity to dial in some handy settings. These are as follows;

**Bypass**: this avoids any presets and allows you to completely control the touch sensitivity of the unit.

**Non-touch sensitive**: this setting allows you to set the unit to a single level of response. This is very handy if you want a driving beat with no variation.

**Hard/Soft**: as you may expect, this setting gives you a two-level response, hard and soft.

**Medium**; this gives you a medium response variation.

**Wide**: this gives you a wide response variation.



## Channel 1 (Internal) Instructions (contd.)

- 8) Trigger Gain:** This setting is similar to the gain setting on a mixer or amp. It determines the signal level fed into the internal electronics. Push to select item, turn to select value then push again to confirm and exit. Turn for next menu item.  
NOTE: If this setting is too high it can cause clipping and also unwanted retriggers.

***NB: Push menu/select knob for approximately 3 seconds at ANY time to  
return to main menu.***

## Channel 2 (AUX) Instructions

- 1) **Impedance High/Low** : This determines whether the input impedance is “HIGH” or “LOW”. Push to select item, turn to select then push again to confirm and exit. Turn for next menu item.
- 2) **Set Volume**: This determines the channel 2 volume. The graphic image shows minimum to maximum from bottom to top of the display. Push to select item, turn to select the desired volume then push again to confirm and exit. Turn for next menu item.
- 3) **Trigger On/Off**, This determines whether the channel 2 input can be used to trigger samples (ON) or alternatively to be used as an audio input (OFF). Push to select item, turn to select “On” or “Off”, then push again to confirm and exit. Turn for next menu item.
- 4) **Select Sample** : This allows you to select from a menu of preset samples and also from those you have programmed into a micro SD card. Push to select the item, then turn to run through the list of samples. Push twice to confirm your choice .Turn for next menu item.
- 5) **Audition Volume**: This selects the audition volume of the chosen sample. Push to select the item, turn to select the desired volume then push again to confirm and exit. Turn for next menu item. (NB: this function does not affect the output volume of the Chameleon).
- 6) **Retrigger Delay**: This determines the time it takes in milliseconds before you are able to trigger the selected sample again. A typical useful value would be 300 ms. Push to select item, turn to select value then push again to confirm and exit. Turn for next menu item.
- 7) **Stomp Sensitivity**: The sensitivity can be set from level 1 (which is the least sensitive) to 100 (which is the most sensitive). You can adjust this setting to suit your stomping style and choice of footwear. Push to select item, turn to select value then push again to confirm and exit. Turn for next menu item.
- 8) **Output Limit**: This setting limits the peak volume of the sample selected. It is handy in order to avoid feeding too high a signal into your amp/mixer. This setting has a range of 1-100. Push to select item, turn to select value then push again to confirm and exit. Turn for next menu item.

## Channel 2 (AUX) Instructions (contd.)

- 9) **Touch Presets:** The touch preset function gives you the opportunity to dial in some handy settings. These are as follows;

**Bypass:** this avoids any presets and allows you to completely control the touch sensitivity of the unit.

**Non-touch sensitive:** this setting allows you to set the unit to a single level of response. This is very handy if you want a driving beat with no variation.

**Hard/Soft:** as you may expect, this setting gives you a two-level response, hard and soft.

**Medium;** this gives you a medium response variation.

**Wide:** this gives you a wide response variation.

- 10) **Trigger Gain:** This setting is similar to the gain setting on a mixer or amp. It determines the signal level fed into the internal electronics. Push to select item, turn to select value then push again to confirm and exit. Turn for next menu item. Note that if this setting is too high it can cause clipping and also unwanted retriggering of samples.

***NB: Push menu/select knob for approximately 3 seconds at ANY time to  
return to main menu.***

## Channel 3 (Login) Instructions

- 1) **Impedance High/Low** : This determines whether the input impedance is “HIGH” or “LOW”. Push to select item, turn to select your choice, then push again to confirm and exit. Turn for next menu item.
- 2) **Set Volume**: This determines the channel 3 (Login) volume. The graphic image shows minimum to maximum from the bottom to top of the display. Push to select item, turn to select the desired volume then push again to confirm and exit. Turn for next menu item.
- 3) **Select Bass/Treble (Tone)** : This allows you to control the tone of the instrument connected to the “Login” socket. Push to select item. Turn to select tone control choice (bass or treble) ,push to confirm then turn to adjust the tone (-50-+50). Push again to confirm and exit. Turn to go to next menu item.

***NB: Push menu/select knob for approximately 3 seconds at ANY time to return to main menu.***

## Global Settings

- 1) **Reset to defaults:** This setting takes you back to the factory defaults. Push to select item, push again to save or turn to exit.
- 2) **Save to memory:** This allows you to save your settings so that the unit will boot up next time you switch on with your saved parameters. Push to save and push again to confirm or turn to exit.

This function is in addition to the fact that the unit will automatically save your settings on shutdown.

- 3) **Balance Ch.1&2-3:** This setting determines the balance between the digital channels 1 & 2 and the analogue Channel 3 (Login). Higher values increase Ch.1&2 output gain in relation to Channel 3 and vice versa for lower values. This is useful if the digital signal is overpowering the analogue output.

***NB: Push menu/select knob for approximately 3 seconds at ANY time to return to main menu.***

## General Information

### Power & Charging

The Chameleon takes an 18650 Li-ion battery . These are readily available but you can also purchase them from our website. The unit can also run from a standard Android phone charger which attaches to the micro USB socket on the front panel. This is also used to charge the battery.

### Micro SD Card & Samples

The unit comes with 10 preset 16 bit samples (44.1 khz) which are in the internal memory. These are identified on the display with 2 underscore lines. These drum samples have been especially created by experienced UK session drummer Terl Bryant. We also have a micro SD card available with a large range of samples (also created by Terl Bryant) which is available from our site.

You can record your own samples and loops, of course. These should be at 44.1 khz and 16 bit.

### Care of Your Chameleon

The Chameleon is made from high-quality Sapele wood. When it gets to be a little worn you can lightly sand the wooden area and refinish with Linseed oil applied sparingly with a soft cloth. Be careful not to get oil on any other area of the unit.

We would also recommend that you always transport your Chameleon in the provided gig bag as this will help to prevent any possible damage.

***NB: Push menu/select knob for approximately 3 seconds at ANY time to return to main menu.***

## Global Mute Function

We have installed a mute feature on the Chameleon which is a useful on-stage function that will prevent any signal going to the amp or mixing desk at all. To use this feature, scroll through the main menu past **Global** to **Mute**. To turn the mute function either on or off, simply press once to toggle (either on or off) and then push again to confirm. You can then exit the mute menu by scrolling out of it, or a long push will return you to the Chameleon default screen.

***NB: Push menu/select knob for approximately 3 seconds at ANY time to return to main menu.***

## Battery Indicator / Charging

Your Chameleon has an operation timer which is the vertical line on the left hand side of the display. This is a 24 hour timer which counts down 24 hours of the unit being on. This will gradually get smaller over time. When the Chameleon has been running for nearing 24 hours, this bar will begin to flash and upon reaching the 24 hour mark, will disappear completely. You may have battery life left after this timer has disappeared, but to ensure you have 24 hours' worth of use, you may wish to charge your unit at this time.

If the battery becomes critically low, your Chameleon will display the following messages on the screen:

**WARNING**

**LOW BATTERY**

**SAVING STATE**

Followed by:

**WARNING**

**POWERING DOWN**

**STATE SAVED**

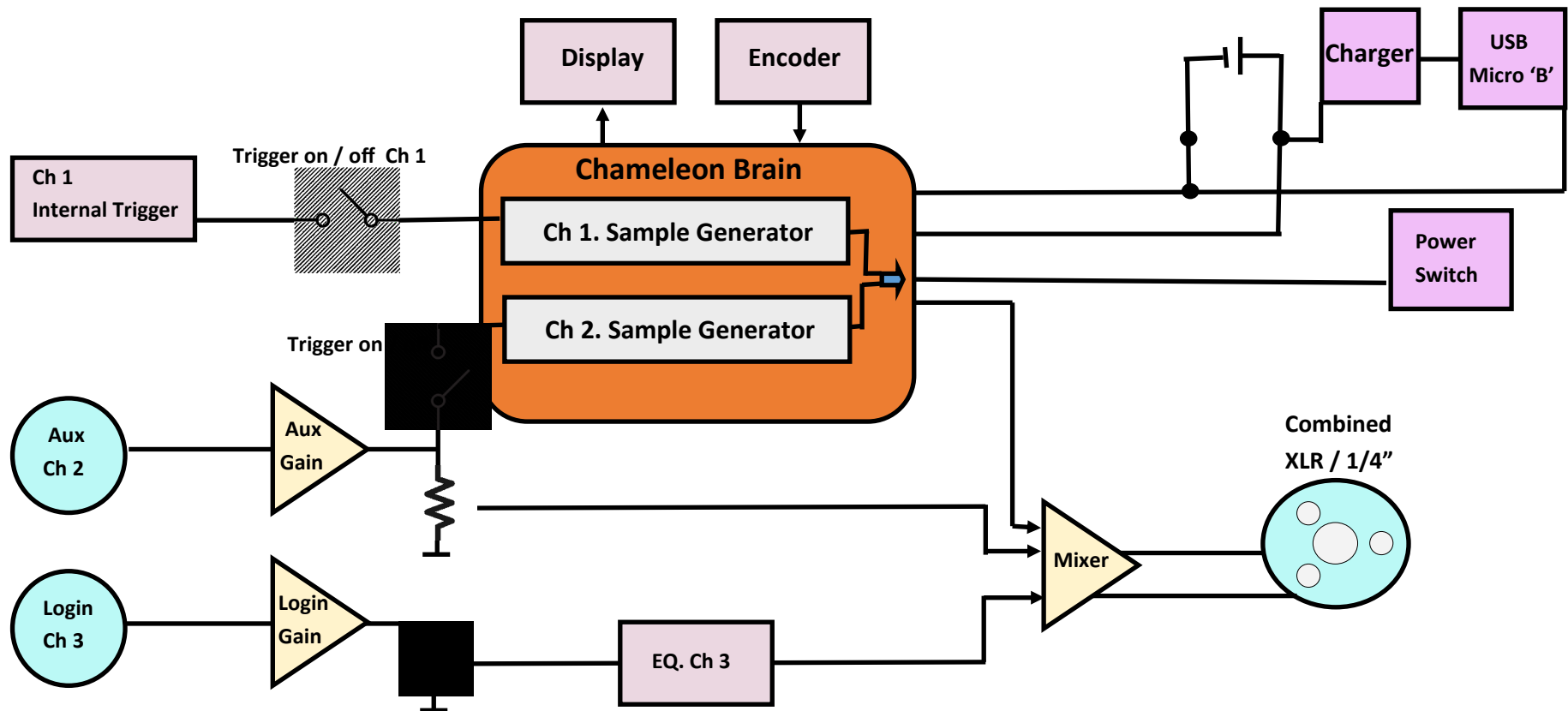
**20 sec.. (counting down)**

This countdown will start at 20 and when it reaches 0, will turn the Chameleon off automatically. If, during this countdown, or low battery alert, you plug in the unit to charge, the warning will disappear and the unit will begin to charge. You may continue to use the unit whilst it is charging. When you charge the unit, the operation timer will flash on and off to indicate that it is successfully charging. When the Chameleon is fully charged, the operation timer will stop flashing and the display will show the message 'Fully Charged'. The operation timer is NOT a battery level indicator.

***NB: Push menu/select knob for approximately 3 seconds at ANY time to  
return to main menu.***



## Chameleon Block Diagram



## Glossary of terms

**Channel 1** - This is the internal channel of the Chameleon and allows you to play samples using the touch-sensitive surface of the Chameleon itself.

**Channel 2** - (AUX) allows you to trigger sounds from an external stomper via the 3.5mm mono jack socket.

**Channel 3** - (Login) allows an external instrument to be plugged in to your Chameleon.

**Gain** - Gain is the level of the signal that is being fed into the internal electronics. If you increase the gain, you will increase the signal you feed in, and vice versa.

**Impedance** - Audio devices are either high or low impedance, guitars typically are high impedance whereas a dynamic microphone will be low impedance. However, if you are unsure of the impedance of the instrument you are plugging in to the Chameleon you can try experimenting with the other impedance setting. Also, if you find that you are getting too weak a signal or alternatively too high a signal, you can try toggling the impedance to see if there is an improvement.

**Neutrik Combo Socket**—This is a high quality socket made by Neutrik. The advantage of this is you can plug in a standard guitar cable (1/4" 6.35mm) or alternatively, an XLR cable. An XLR cable is a 3 pin cable and the advantage of this is that it is a balanced low noise cable and will help to get rid of any extraneous noise. If you wish to use the XLR option you will need a XLR male to male adaptor (available to buy from our website at [logjam.net](http://logjam.net))