Gear4music

DIGIPAD SAMPLER
USER MANUAL

DD90 DIGIPAD SAMPLER

DD90

DIGIPAD SAMPLER

WARNING! EN

Do not open cover. No user-serviceable parts inside. Refer servicing to qualified service personnel

Do not place the product in a location near a heat source such as a radiator, or in an area subject to direct sunlight, excessive dust, mechanical vibration or shock

The product must not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the product

No naked flame sources, such as lighted candles, should be placed on the product

Allow adequate air circulation and avoid obstructing vents (if present) to prevent internal heat build-up. The ventilation must not be impeded by covering the appliance with items such as newspapers, table-cloths, curtains etc.

The mains plug is used to disconnect the appliance from the mains supply. Ensure that the mains outlet is easily-accessible and remove the plug from the mains outlet if you notice any abnormality with the appliance.

VAROVÁNÍ! CZ

Nezakrývejte. Uvnitř nejsou žádné součásti opravitelné uživatelem. S požadavkem na servis se odkažte na kvalifikované servisní oddělení.

Neumisťujte produkt v blízkosti zdroje tepla, jako je radiátor, nebo na místo s přímým slunečním světlem, nadměrným prášení, mechanickými vibracemi nebo šokem.

Produkt nesmí přijít do kontaktu s vodou a žádné objekty naplněné tekutinami, jako například vázy, by neměly být umístěny na produkt.

Žádné zdroje otervřeného ohně, jako například svíčky, by neměly být umístěny na produkt.

Umožněte dostatečnou cirkulaci vzduchu a vyhněte se obstrukci ventilátorů (pokud jsou přítomné) pro předejití interního přehřívání. Ventilace nesmí být narušena překrytím zařízení výrobky jako např. noviny, kuchyňské utěrky, záclony apod.

Hlavní kabel umožňuje odpojit zařízení od elektřiny. Ujistěte se, že hlavní napájecí výstup je snadno dostupný a odpojte kabel pokud zaznamenáte jakoukoliv abnormalitu na zařízení.

DVARSEL! DK

Dækslet må ikke åbnes. Ingen bruger-udskiftelige dele indeni. Overlad service til kvalificeret service personale

Placer ikke produktet i nærheden af varmekilder såsom en radiator eller i direkte sollys, meget støv, mekaniske vibrationer eller stød

Produktet må ikke udsættes for vand eller stænk, og ingen genstande fyldt med væsker, f.eks. vaser, må anbringes på produktet

Må ikke placeres nær åben ild, tændte stearinlys må ikke placeres på produktet

Vær sikker på at der er tilstrækkelig luftcirkulation og undgår at dække ventiler (hvis der er nogen) for at undgå at produktet bliver varmt. Ventilationen må ikke blokeres med overdækning af apparatet med genstande som aviser, dug, gardiner osv.

Stikket bruges til at afbryde apparatet fra strømmen. Sikre at stikkontakten er let tilgængelige, og fjern stikket fra stikkontakten, hvis du bemærker noget unormalt med apparatet.

WAARSCHUWING! NL

Maak de behuizing niet open. Dit toestel bevat geen onderdelen die door de gebruiker kunnen worden vervangen. Laat onderhoud over aan bevoegd onderhoudspersoneel.

Plaats het produkt niet in de buurt van een hittebron zoals een radiator of in direkt zonlicht of in een stofrijke omgeving, mechanische vibratie of schok.

Plaats het produkt niet in de buurt van spattende of lekkende voorwerpen gevuld met een vloeistof zoals bijvoorbeeld een vaas.

Er mogen geen open vlammen zoals aangestoken kaarsen op de apparatuur worden geplaatst.

Zorg om oververhitting te voorkomen voor voldoende ventilatie en bellemmer ventilatieroosters niet. Bedek het produkt niet met dingen zoals kranten, tafellakens, gordijnen etc.

De stekker van dit apparaat wordt gebruikt om het apparaat aan en uit te zetten. Zorg ervoor dat het stopcontact gemakkelijk bereikbaar is en haal de stekker uit het stopcontact als u enige onregelmatigheid ondervindt.

VAROITUS! FI

Älä avaa kantta. Ei sisällä käyttäjä-huollettavia osia. Huollot saa suorittaa vain pätevä huoltomies.

Älä säilytä tuotetta minkään kuuman lähellä kuten patteri tai suorassa auringonpaisteessa, pölyisessä, mekaanisessa värinässä tai iskussa

Tuotetta ei saa altistaa tippuvalle tai loiskeelle tai nesteitä sisältäviä tuotteita kuten maljakko eivät saa olla tuotteen lähettyvillä

Avotulia kuten sytytetty kynttilä ei saa olla tuotteen päällä.

Salli riittävä ilmankierto ja vältä tuuletusaukkojen tukkiminen (jos sellaisia on olemassa) estämään sisäisen lämmön muodostuminen. Tuuletusta ei saa estää peittämällä laite esineillä, kuten sanomalehdillä, pöytäliinoilla, verhoilla jne.

Verkkovirtapistoketta käytetään irrottamaan laite verkkovirrasta. Varmista, että pistorasia on helposti saatavilla ja irrota pistotulppa pistorasiasta, jos havaitset jotain epänormaalia laitteessa.

ATTENTION! FR

Ne pas ouvrir le couvercle. Aucune pièce interne réparable par l'utilisateur. Confier la réparation a du personnel de réparation qualifié

Ne pas laisser l'appareil à proximité d'une source de chaleur telle qu'un radiateur, dans un endroit directement exposé aux rayons du soleil, trop poussiéreux, ou pouvant subir des chocs mécaniques

L'appareil ne doit pas être exposé aux gouttes d'eau et aux éclaboussures, et aucun objet rempli de liquide, tel qu'un vase, ne doit être posé dessus

Ne placer aucune source de flamme nue, telle qu'une bougie allumée, sur l'appareil

Assurer une circulation d'air suffisante et éviter d'obstruer les fentes (le cas échéant) afin d'éviter une surchauffe interne. La ventilation ne doit pas être bloquée en couvrant l'appareil avec des objets tels que des journaux, des nappes, des rideaux, etc.

La prise secteur est utilisée comme dispositif de débranchement. La prise murale doit être facile d'accès, et en cas d'anomalie de l'appareil, débrancher la prise de courant au niveau de la prise murale.

WARNUNG! DE

Öffnen Sie nicht das Gehäuse. Im Inneren befinden sich keine vom Benutzer zu wartenden Teile. Überlassen Sie Wartungsarbeiten qualifiziertem Fachpersonal.

Stellen Sie das Produkt nicht an einen Ort in der Nähe einer Wärmequelle wie etwa eines Heizkörpers oder in einem Bereich mit direktem Sonnenlicht, übermäßigem Staub, mechanischen Vibrationen oder Stößen.

Schützen Sie das Produkt vor tropfenden oder spritzenden Flüssigkeiten, und stellen Sie keine mit Flüssigkeiten gefüllten Gegenstände wie Vasen auf das Produkt.

Offene Feuerquellen wie Kerzen dürfen nicht auf dem Gerät abgestellt werden.

Sorgen Sie für eine ausreichende Luftzirkulation und vermeiden Sie, dass die Lüftungsschlitze (falls vorhanden) abgedeckt werden, um einen internen Wärmestau zu verhindern. Die Belüftung darf nicht durch Abdecken des Gerätes mit Gegenständen wie Zeitungen, Tischdecken, Vorhängen usw. blockiert werden.

Der Netzstecker dient zum Trennen des Gerätes vom Netz. Vergewissern Sie sich, dass die Steckdose leicht zugänglich ist, und ziehen Sie den Stecker aus der Steckdose, wenn Sie eine Anomalie mit dem Gerät bemerken.

AVVERTIMENTO! IT

Non aprire il coperchio. Se fosse necessario, riferirsi ad un esperto.

Non esporre il prodotto a fonti di calore, luce del sole diretta, polvere, vibrazioni meccaniche o altri possibili shock.

Non esporre il prodotto a perdite di liquido o a spruzzi. Non appoggiare nessun oggetto contenente acqua sul prodotto.

Non esporre il prodotto a fuoco, candele o oggetti simili.

Assicurarsi la circolazione dell'aria e non ostruire le ventole, se presenti, per evitare il surriscaldamento. La ventilazione non deve subire impedimenti dovuti a giornali, tovaglie, tende, ecc.

La spina principale viene utilizzata per disconnettere il prodotto dalla principale fonte di energia. Assicurarsi che la spina sia facilmente accessibile e disconnettere l'unità nel caso si notassero dei difetti di funzionamento.

ADVARSEL! NO

Ikke åpne dekselet. Inneholder ingen deler som kan brukes. Overlat reperasjon til kvalifisert servicepersonell.

Ikke plasser produktet i nærheten av varmekilder som f.eks. en radiator, eller i områder som er utsatt for direkte sollys, mye støv, mekanisk vibrasjon eller støt.

Produktet må ikke utsettes for drypping eller spruting, og gjenstander som er fylt med væsker, som f.eks. vaser, skal ikke plasseres på produktet.

Åpne flammer, som f.eks. tente lys, bør ikke plasseres på produktet.

Tillat tilstrekkelig luftsirkulasjon og unngå å blokkere ventiler (hvis tilstede) for å forhindre intern varmeoppsamling. Pass på at ventilasjon ikke hindres ved å unngå å dekke apparatet med ting som aviser, bordduker, gardiner osv.

Stikkontakten brukes til å koble apparatet fra strømforsyningen. Forsikre deg om at stikkontakten er lett tilgjengelig og ta støpselet ut av stikkontakten hvis du oppdager uregelmessigheter under bruk av apparatet.

OSTRZEŻENIE! PL

Nie otwierać pokrywy. W środku nie ma części nadających się do naprawy przez użytkownika. Prosimy pozostawić serwis dla wyszkolonego personelu.

Nie umieszczać produktu w pobliżu źródła ciepła, np. grzejnika, lub w bezpośrednim świetle słonecznym, kurzu, czy mechanicznym wibracjom.

Produkt ten nie może być eksponowany na kapanie lub chlapanie, a przedmioty wypełnione płynami, takie jak wazy, nie powinny być na nim umieszczane.

Źródła otwartego ognia, takie jak np. świece, nie powinny być umiejscowiane na produkcie.

Należy zapewnić odpowiednią wentylację i unikać blokowania otworów wentylacyjnych, aby uniknąć wewnętrznego wzrostu temperatury. Wentylacja nie powinna być utrudniana poprzez nakrywanie urządzenia gazetami, obrusami czy zasłonami.

Wtyczka sieciowa służy do odłączenia urządzenia od zasilania sieciowego. Należy upewnić się, że gniazdo sieciowe jest łatwo dostępne, a w razie wystąpienia nieprawidłości w funkcjonowaniu urządzenia odłączyć je od zasialania sieciowego.

ATENÇÃO! PT

Não abra a tampa. Não tente a reparação do instrumento por si. Dirija-se a pessoal qualificado

Não aproxime a uma fonte de calor excessivo ou exponha o produto à luz solar, poeira, vibração ou choque

Não mantenha o produto num local húmido ou perto líquidos como vasos, etc.

Não aproxime o produto a fontes de fogo vivo, como velas

Mantenha o produto num espaço suficientemente arejado de forma a evitar sobre-aquecimento. Não bloqueie a ventilação do instrumento, cobrindo-o com artigos como cortinas, toalhas de mesa ou jornais

O transformador é utilizado para conectar e desconectar o artigo da principal fonte de energia. Certifique-se que a ficha é facilmente acessível e que o artigo está devidamente ligado à corrente se detectar alguma anomalia com o funcionamento

VÝSTRAHA! SK

Neotvárajte kryt. Vo vnútri nie sú žiadne súčasti, ktoré sú opraviteľné užívateľom. S požiadavkou na servis sa obráťte na kvalifikované servisné stredisko.

Nevystavujte produkt do blízkosti akéhokoľvek tepelného zdroja ako napr. radiátora, alebo do kontaktu so slnečným žiarením, nadmerným prašným prostredím, mechanickým vibráciám alebo šokom.

Produkt nesmie prísť do kontaktu s vodou a žiadny objekt naplnený vodou, ako napr. váza, nesmie byť umiestnený na produkt.
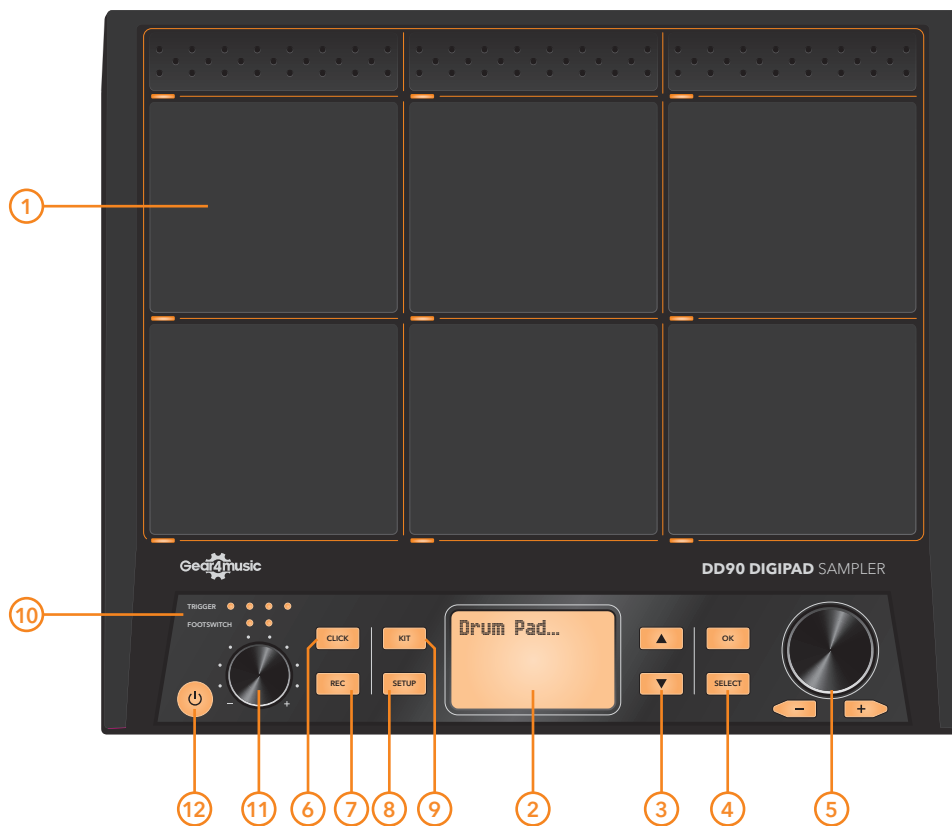
Žiadne výrobky s otvoreným ohňom, ako napr. sviečky, by nemali byť umiestnené na produkt.

Umožnite dostatočnú cirkuláciu vzduchu a zabráňte obštrukcii ventilačných otvorov (ak sú prítomné) kvôli prevencii vnútorného prehrievania. Ventilácia nesmie byť

TOP PANEL

1. DRUM PADS
Percussive pads which trigger sounds or MIDI when hit with a drumstick. When struck, the pads corresponding LED will illuminate. Each pad has an individual number which will be shown within the menu when editing certain settings.

2. LCD SCREEN
Displays information, menus and current parameters of the DD90. Changes made by using the +/- buttons and scroll wheel (5) appear on this screen.

3. UP / DOWN BUTTONS
Used to navigate menus visible on the LCD screen.

4. OK / SELECT BUTTONS
OK confirms selections made in the menus, the SELECT button cycles through options in the menu.

5. SCROLL WHEEL / +/- BUTTONS
Use to quickly increase and decrease values as well as to scroll through multiple selections.

6. CLICK BUTTON
Pressing the CLICK button activates the metronome and takes you to the CLICK menu. In the SETUP menu you can access the SoundGroup, Beat, Rhythm and Pan submenus. More information on page 12.

7. REC BUTTON
Activates the RECORD mode within the DD90. More information on page 17.

8. KIT BUTTON
Used to access the KIT menu, which allows you to adjust and select different preset kits. You can access the submenus using the UP and DOWN buttons. You have access to the 30 preset kits built into the DD90, as well as 20 user kits. Pressing this button gives you access to the Home, Wave, Loop, Effect, ADV, ADV2 and KITCHAIN submenus. More information on page 12.

9. **SETUP BUTTON**
   Allows you access to the MIDI, PAD, ExtPAD,
   Display, Version, Reset and Update submenus.
   More info on page 16.

10. **TRIGGER / FOOTSWITCH LED INDICATORS**
    Illuminates when external triggers and
    footswitches are used, they are connected via
   the inputs on the rear panel of the DD90.

11. **HEADPHONE VOLUME WHEEL**
    Use the wheel to increase or decrease
    headphone output volume. Master Output
    levels are controlled on the back of the
    unit, see page 8 for more information. It is
    recommended to have the volume set to its
    lowest point when you turn on the DD90 to
    protect hearing and headphones.

12. **POWER BUTTON**
    Turns the unit on and off. Press to turn on, hold
    for five seconds and release to power off.

REAR PANEL
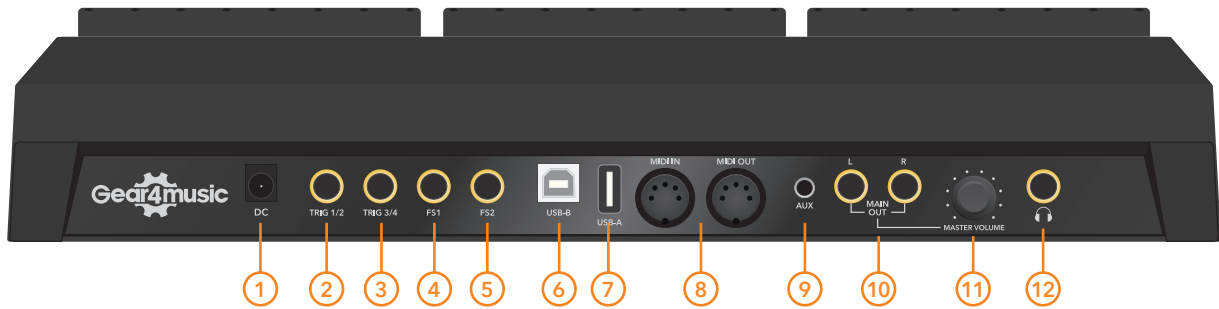
1. **DC INPUT**
   Used to connect to mains power. Only use the included PSU.

2. **TRIG 1/2**
   Used for connecting a dual zone trigger pad or an acoustic drum trigger. A stereo connecting cable is needed for full dual zone functionality. When a signal has been received the left-most trigger lights will illuminate when hit.

   ```
   TRIGGER     ◉  ◉  O  O
   FOOTSWITCH  O  O
   ```

3. **TRIG 3/4**
   Used for connecting a dual zone trigger pad or an acoustic drum trigger. A stereo connecting cable is needed for full dual zone functionality. When a signal has been received, the right-most trigger lights will illuminate when hit.

   ```
   TRIGGER     O  O  ◉  ◉
   FOOTSWITCH  O  O
   ```

4. **FS1**
   Used for connecting a footswitch trigger. By default, it assumes this will be a hi-hat pedal. The left footswitch light will illuminate when played.

   ```
   TRIGGER     O  O  O  O
   FOOTSWITCH  ◉  O
   ```

5. **FS2**
   Used for connecting a second footswitch trigger. By default, it assumes this will be a kick drum sound. The right footswitch light will illuminate when played.

   ```
   TRIGGER     O  O  O  O
   FOOTSWITCH  O  ◉
   ```

6. **USB – B**
   USB B connecting port, used for connecting to computer for USB MIDI.

7. **USB – A**
   USB A connection, used to connect memory stick for updates as well as importing and exporting your own sound files and preset kits. This can be done using DD90 importing software. For more information on the importing software see the user guide (available on the Gear4music website). More information on using a USB memory stick with the DD90, see page 10.

8. **MIDI IN/OUT**
   Used for connecting 5-pin MIDI cable to send information either from or to the unit.

9. **AUX**
   Used for connecting an auxiliary sound source to the DD90 via a 1/8" Stereo Jack cable (available separately), ideal for connecting an MP3 player or laptop. Volume must be controlled via the sound source.

10. **MAIN OUT L/R**
    Main output jacks of the DD90. Connect via 1/4" mono jack cables to your mixer, interface or amplifier. When using one jack cable (for mono output), insert your jack cable into L/MONO output. Connecting two jack cables sends separate left and right audio signals down each cable, giving you stereo output.

11. **MASTER VOLUME**
    Controls the main output volume for the DD90.

12. **HEADPHONES**
   1/4" output jack for connecting headphones, control output level with VOLUME WHEEL on the front panel.

WARNING!
To prevent damage to your hearing, speakers and other audio equipment, reduce the volume and have the power off before connecting to any other equipment. Please make sure you are using the headphone output for headphones and the main output when connecting to amplifiers or mixers.

BOTTOM PANEL
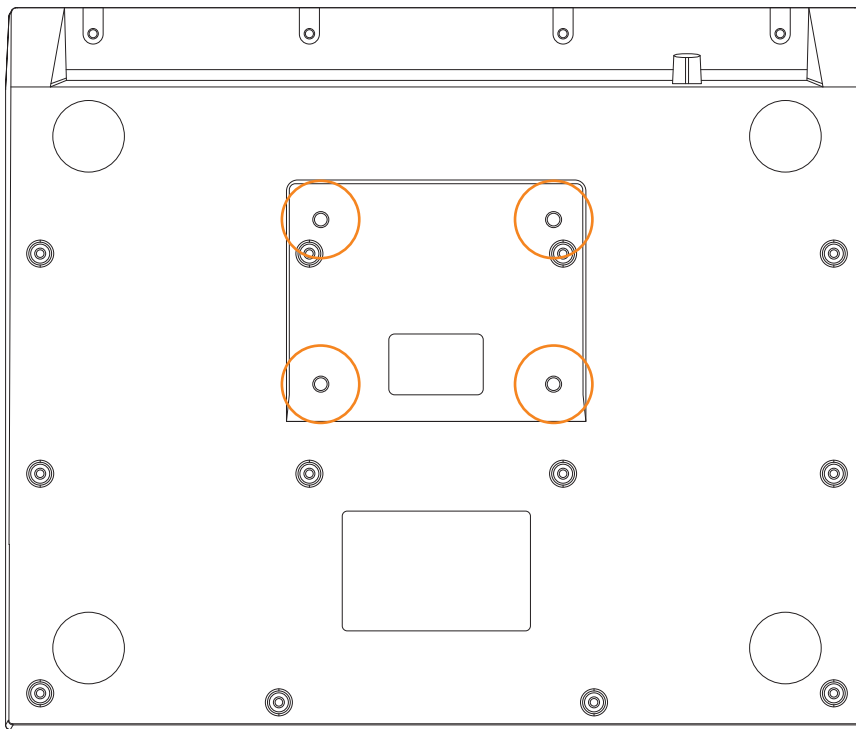
The DD90 can be played flat on desktop or placed on most common snare drum stands. A clamp and stand made specifically for the DD90 is available to purchase at the Gear4music website.

**ADVANCED APPLICATIONS
/ USB MEMORY STICK**

Press and hold SETUP and OK together to access the memory stick option menus. From here you can import and export sounds to the DD90. Please note that only EXFAT/FAT32/FAT formats are supported. If your memory stick is not configured for this, you can format it in the DD90, this is explained the INFO section (page 11). The DD90 can only read files in the root menu of your USB stick.

WAVE
Sound files you have saved in the root directory of your USB stick will appear here. You need to import them before previewing (explained in the LOAD section).
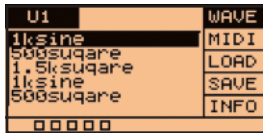
MIDI
A preview of MIDI file data on the DD90. You can use the scroll wheel or +/- buttons to scroll through the MIDI files. The MIDI files on your memory stick will not be shown until you load them. You can use the select button to delete a MIDI file on the DD90.

LOAD
For importing user sounds, kits and settings into the DD90.

Press SELECT to scroll through the different settings below and click OK to begin the importing process. You will be shown a yes or no option, press SELECT to choose between them. YES will import the selected files, NO will cancel the action.
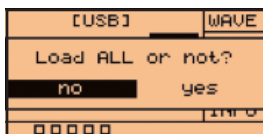
Kit&Setting
Uploads preset drumkits (configured in the software editor) and MIDI file data from the USB stick to the DD90.

You can still edit the files once they are on the DD90.

User Kit
Uploads user edited drumkits (configured in the software editor) and all user sound files from the USB stick to the DD90.

NOTE
You can also transfer your own sounds into the DD90 using our free importing software. More information is available in the software user manual also available on the Gear4music website.

SAVE
For exporting preset kits,user settings and MIDI data from the DD90 onto a compatible USB memory stick. Scroll through the different settings below and click OK to begin the exporting process.
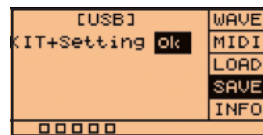
Pressing OK will give you a yes or no choice, YES will export the selected files, NO will cancel the action.

Kit&Setting
Used to export preset drum kits, settings and MIDI data. It can be imported into another DD90 or kept as a backup.

NOTE
You cannot export custom user sound files you have imported. This feature is for built-in sounds and kits.

INFO

Displays information relating to the total and remaining storage on your USB stick as well as giving the option to format.

USBMem
Displays total size of USB memory stick.

U Remain
Displays remaining storage available on USB memory stick.
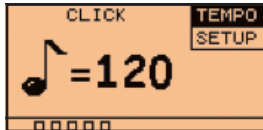
Format U-Disk
Used to format the USB memory stick, press OK and you will be given an option between YES and NO, highlight the appropriate option and press OK to confirm. Make sure to back up important documents before formatting.
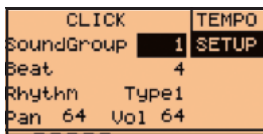
CLICK BUTTON SUB MENUS

TEMPO
Use the SCROLL WHEEL or +/- buttons to adjust the tempo (from 20 – 240bpm).

SETUP
Allows you to adjust the sound and rhythm of the click.

SoundGroup
Controls the sound of the metronome, there are 5 built into the unit.

Beat
Controls the number of clicks per measure, select from 1 – 16.

Rhythm
7 different click patterns are available.

1. ♩

2. ♫
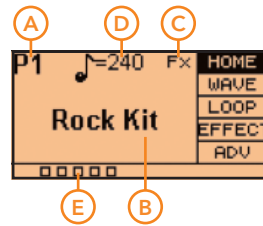
3. ♬

4. ♫

5. ♫

6. ♫

7. ♫

Pan
Changes the pan of the metronome output. 0 = left, 64 = centre, 127 right.

Vol
Changes the volume of the metronome, 0 = off, 127 = maximum volume.

KIT BUTTON SUB MENUS

HOME

A. Shows P1-30, which is one of the 30 preset kits. C1-20 are user kits imported via USB memory stick.

B. Displays the name of the currently active preset.

C. If you have FX in use, the FX symbol will show in the top right.

D. The musical note symbol displays what tempo the metronome is set to.

E. The squares in the bottom left of the screen show how hard you are hitting a pad. One light illuminated = soft hit, all lights illuminated = hard hit.

Use the SCROLL WHEEL or +/- buttons to select a preset. Pressing OK gives you access to all preset kits in list format. Whilst in this list view press the SELECT allows you to copy or delete the preset. Leave this menu by selecting cancel or pressing KIT again.

> NOTE
> You can only delete user imported preset kits, you cannot delete default kits.

WAVE

Gives you the ability to adjust individual samples within a preset. Hit a PAD to select it and begin editing. Press SELECT to scroll through the different submenus and press OK to save.

A. Shows which pad is being edited.

B. Shows which sound group the pad is linked to.

C. SAMPLE A – If you are just using one sound on the pad, SAMPLE A will be the sole sample. Whilst the sample is highlighted you can use the SCROLL WHEEL or +/- buttons to change this to a different sound, if you want to confirm the change, press the OK button.

D. SAMPLE B – This feature can be used if two samples are triggered by the same pad. Sounds are triggered by different velocities. For example: soft hit = closed hi-hat, hard hit = open hi-hat. Velocity adjustment can be changed in the ADV menu. More information is available on page 14.

E. VOL A / B – This is used to control the output volumes of sample A and sample B.

F. PAD FX Send – Controls the amount of signal from the pad that goes to the FX channel from 0 - 127. A low value will have a small amount of the effect blended in; a high value will be entirely affected.

LOOP

Adjust built-in and user recorded loops within the DD90. More information about recording loops on page 17.

A. KIT – The name of the preset kit sound being used by the MIDI.

B. MIDI – Name of MIDI pattern or loop select. Press OK to play and press again to pause.

C. SPEED – Controls the playback tempo of the loop, from 20 – 240bpm.

D. VOLUME – Controls the overall volume of the loop.

E. You can select a pad to play a MIDI loop once hit. Hit the pad you want to select (be sure the cursor is displaying PAD + number), then press OK. You will see a * that indicates this pad will trigger a loop rather than play sound. Pressing OK again will revert the pad back to its original state.

EFFECT

Allows you to have control over the master effects on the DD90. Use the SELECT button to scroll between EQ, Reverb and Limit.

EQ

A built-in 3-band EQ, which can shape the overall sound of the DD90.

```
EQ Reverb Limit  HOME
Switch        on  WAVE
High        18dB  LOOP
Mid         18dB  EFFECT
Low         18dB  ADV
  □ □ □ □ □
```

SWITCH
Disable or Engage the EQ.

HIGH
Adjust the treble frequencies +/- 12dB.

MID
Adjust the mid-range frequencies +/- 12dB.

LOW
Adjust the bass frequencies +/- 12dB.

REVERB

Built-in reverb providing ambience for the DD90.

```
EQ Reverb Limit  HOME
Switch       OFF  WAVE
Type       stage  LOOP
                  EFFECT
                  ADV
  □ □ □ □ □
```

SWITCH
Disable or Engage the REVERB.

TYPE
Choose between room, stage and studio.

LIMIT

Built-in limiting feature.

```
EQ Reverb Limit  HOME
Switch       OFF  WAVE
Type       stage  LOOP
                  EFFECT
                  ADV
  □ □ □ □ □
```

SWITCH
Disable or Engage the Limiter feature.

THRESHOLD
When set to 0, input and output are the same, when set to -12 the output is ¼ of the maximum output.

ADV

Gives you access to advanced editing features.

```
PAD1 [P1]         HOME
Tuning         0  WAVE
Muffling     OFF  LOOP
Layer Point 127  EFFECT
Type         OFF  ADV
  □ □ □ □ □
```

Tuning

Tune a sample up or down, the range is +/- 12. This only works on sample A.

Muffling

Adjusts the amount of muffling effect on an individual sample. This only works on sample A.

Layer Point

When the pad is set to have both sample A and sample B, any hit louder than this setting (0-127) will play sample B. For example, any hits below 50 will play sample A, any hits above play sample B.

Type

Allows you to choose between OFF, MIX, SWITCH and FADE.

OFF
Only play sample A, sample B will not engage.

MIX
When the layer point threshold is met, sample B will be blended in with sample A.

SWITCH
When the layer point threshold is met, sample B will take the place of sample A.
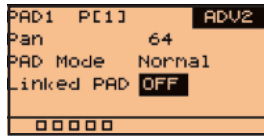
FADE
When the layer point threshold is met, sample B will play as well as sample A.

ADV 2
Gives you access to more advanced editing features.

```
PAD1  P[1]      ADV2
Pan         64
PAD Mode   Normal
Linked PAD  OFF
  ooooo
```

Pan
Controls the pan of the samples output, 0 = Fully Left, 64 = Centre, 127 Fully Right.

PAD Mode
Changes the behaviour of a pad.

Normal
Normal plays the sound of the pad once.

Switch
Switch starts the sound when hit first time, you hit again to stop the sound. Ideal for backing tracks and other sound effects.

Loop*2, 4, 8
Repeats the loop the same amount of times shown on the option. For example, Loop*4 will loop a sound 4 times.

Infinite
Repeats the loop continuously.

Linked PAD
Link the sound of another pad with this pad. Allows you to trigger two pads at the same time.

Mute Group
Build a Mute Group from 1 – 9. Hitting a pad then hitting another pad from the Mute Group will mute the first pad, ensuring there is no crossover.

KITCHAIN
Used for creating a custom order of drum presets according to your preferences. The DD90 can support 5 kitchains, allowing you to have 8 different kits in each KITCHAIN. After it has been activated it will be shown in the home screen.

```
P1    ♩=100   HOME
              WAVE
  Rock Kit    LOOP
            EFFECT
KC1-01        ADV
  ooooo
```

KITCH
Used to select which KITCHAIN you are editing. Select between 1-5 or OFF. Selecting

OFF will disable all kitchains and the presets will be in their original order.

01-08
Selects which order the preset kit will go in, 01 is first – 08 is last. Once highlighted you can choose which preset you want using the +/- BUTTON or SCROLL wheel.

```
KITCHAIN  1     ADV2
01  OFF  05 P4  KITCH
02  P1   06 P5
03  P2   07 P6
04  P3   08 P7
  ooooo
```
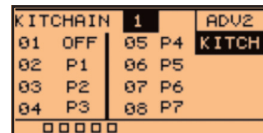
SETUP BUTTON SUBMENUS

MIDI
Displays a MIDI number for each pad. Hit a pad and the corresponding MIDI number will be highlighted. Once the desired pad has been hit you can edit the MIDI value using the scroll wheel or +/- buttons.

```
49  57  51   MIDI
48  45  43   PAD
36  38  42   ExtPAD
50 47 41 39  DISP
  44  35     VER
  □□□□□
```

PAD
Adjusts pad specific parameters.

```
PAD1         MIDI
Sensitivity 15  PAD
Threshold    15 ExtPAD
VelCurve linear DISP
             VER
  □□□□□
```

Sensitivity
Changes how sensitive the pad is, adjust from 1-32. 1 is low sensitivity, 32 is most sensitive.

Threshold
Adjusts the minimum threshold for generating a sound from a pad, adjust from 1 – 32. When set to a high value a gentle hit will not generate a sound.

VelCurve
Sets the way the velocity increases as you hit the pad harder, choose between linear, log and exp.

Linear
The default type of velocity. The sample volume increases evenly as you hit the pad harder.

Log
The sample volume reaches maximum velocity quicker. Ideal for samples that you want to get to maximum velocity without much dynamic range.

Exp
The sample reaches maximum velocity slower, ideal for samples that have extra nuance.

ExtPAD
Menu which allows you to adjust extra pads connected to the DD90 (sold separately).
To control an additional footswitch, plug in the footswitch and press it, this will allow you to adjust its settings

```
        PAD1 MIDI
Mode     OFF  PAD
Control PAD  /ExtPAD
Trig1/2 Dual DISP
Trig3/4 Dual VER
 □□□□□
```

Mode
Allows you to change the behaviour of a connected footswitch. By default, FS1 will be in HHPedal mode and FS2 will be in KICK mode.

HHPedal
In this mode the footswitch will act as if it has a hi-hat pedal, operating as a control pad.

PAD
Used to control whether a pad plays sample A or B. For example, when you press the footswitch down, it will play sample A – when you let go of the footswitch it will revert to sample B.

KICK
Footswitch will act as a kick drum. When pressed it will play a sample.

KICK DEC
Operates as the – button, or moving the scroll wheel left one value. Can be used to change presets via footswitch.

KIT INC
Operates as the + button, or moving the scroll wheel right one value. Can be used to change presets via footswitch.

CLICK
In this mode the footswitch or pad turns the metronome off or on.

MUTE
Press the footswitch to stop sounds.

Control Pad
Selects which pad the footswitch controls in HHpedal or Pad mode.

Trig1/2
Choose between single and dual zone trigger for the external pad plugged into Trig 1/2.

Trig3/4
Choose between single and dual zone trigger for the external pad plugged into Trig 3/4.

DISPLAY

Allows you to set the LCD Contrast and disable the LEDs.

```
[setup]     MIDI
LCD Contrast 10  PAD
LED Switch  Off ExtPAD
                DISP
                VER
□ □ □ □ □
```
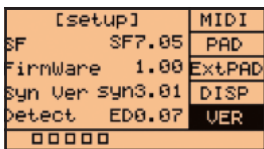
LCD Contrast
Sets the contrast of the LCD screen, from 0 – 20.

LED Switch
Turns the LEDs which illuminate when you hit a pad on or off.

VERSION

Shows information relating to the software inside the DD90.

```
[setup]     MIDI
SF    SF7.05  PAD
FirmWare  1.00 ExtPAD
Syn Ver syn3.01 DISP
Detect   ED0.07 VER
□ □ □ □ □
```

SF
Version of built-in sounds.

FirmWare
Displays which version of the firmware is installed.

Syn Ver
Displays which version of the synthesiser software is installed.

Detect
Displays which version of the detection algorithm is installed.

RESET

Used to restore to factory settings. Press OK to initiate this process, the DD90 will restart automatically after this has been completed. Do not press any other buttons during this process.

```
[RESET]    RESET
           UPDATE
Press OK to reset
```
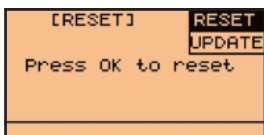
UPDATE

Used to update the DD90 firmware, which you can do via a USB stick. In the event you need to update firmware, you will receive a dpupdate.bin file, add this to the root directory of your memory stick. Then press OK when the update field is highlighted. The firmware will be installed and the DD90 will restart.

RECORD MODE

Allows you to record MIDI patterns within the DD90. Pressing the REC button once will display the following menu. The metronome will automatically turn on, you can disengage it using the CLICK button.

```
[RECORD]   STOP
START: ------ START
   00 : 00
□ □ □ □ □
```
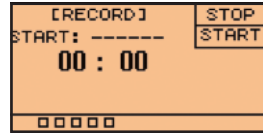
START

Press the REC button again so the START icon is highlighted, the DD90 is now in RECORD MODE and will capture the next notes played.

```
[RECORD]   STOP
START: Recordin START
   00 : 04
□ □ □ □ □
```
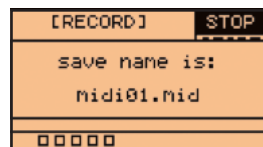
STOP

When you are finished press the REC button again, the STOP icon will be highlighted. The DD90 is now in STOP mode and will stop capturing your performance.

```
[RECORD]   STOP
START: Finish START
   00 : 05
□ □ □ □ □
```

Press OK button to save the recording.

```
[RECORD]   STOP
   save name is:
     midi01.mid
□ □ □ □ □
```

This will save as a MIDI file internally on the DD90. You will be able to load it from the KIT menu. This can be played via the LOOP submenu explained on page 13. Because it is a MIDI file, it will sound like the preset kit that is currently active.

NOTE
The maximum amount of hits able to be recorded is 5000, the recording feature will automatically stop after that. If you immediately start to record a new performance without saving, the original will be deleted. If you change to a different function instead of saving the recording will be deleted.

If you have any more questions about this product, please do not hesitate to contact the Gear4music Customer Service Team on: **+44 (0) 330 365 4444** or **info@gear4music.com**