

# XW-PD1

## USER'S GUIDE (Basics) GUÍA DEL USUARIO (Conceptos básicos)

Please keep all information for future reference.

Guarde toda información para tener como referencia futura.

### **Safety Precautions**

Before trying to use this product, be sure to read the "Safety Precautions" in this manual.


### **Precauciones de seguridad**

Antes de intentar usar este producto, asegúrese de leer las "Precauciones de seguridad" de este manual.


- For the separate "User's Guide (Tutorial)," visit the CASIO Website URL below. You should also go to the website for the latest product news.  
<http://world.casio.com/>
- Para la "Guía del usuario (Tutorial)" por separado, visite el sitio web de CASIO en la siguiente URL. Visite el sitio web también para ver las últimas novedades sobre nuestros productos.  
<http://world.casio.com/>

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

## IMPORTANT SAFETY INSTRUCTIONS

1. Read these instructions.
  2. Keep these instructions.
  3. Heed all warnings.
  4. Follow all instructions.
  5. Do not use this apparatus near water.
  6. Clean only with dry cloth.
  7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
  8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
  9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
  10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
  11. Only use attachments/accessories specified by the manufacturer.
  12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
- 
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
  14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

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

The  (Power) indicator being unlit does not mean the apparatus is completely disconnected from the MAINS. When you need to have the apparatus completely disconnected from the MAINS, you must unplug the power cord. For that purpose, locate the apparatus in a way that secures easy access to the power cord.

## NOTICE

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

## FCC CAUTION

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

## Declaration of Conformity

Model Number: XW-PD1  
Trade Name: CASIO COMPUTER CO., LTD.  
Responsible party: CASIO AMERICA, INC.  
Address: 570 MT. PLEASANT AVENUE, DOVER, NEW JERSEY 07801  
Telephone number: 973-361-5400

This device complies with Part 15 of the FCC Rules, Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

## Important!

Please note the following important information before using this product.

- Before using the AD-E95100L Adaptor to power the product, be sure to check the AC Adaptor for any damage first. Carefully check the power cord for breakage, cuts, exposed wire and other serious damage. Never let children use an AC adaptor that is seriously damaged.
- The product is not intended for children under 3 years.
- Use only the CASIO AD-E95100L adaptor.
- The AC adaptor is not a toy.
- Be sure to disconnect the AC adaptor before cleaning the product.

Declaration of Conformity According to EU Directive



This mark applies in EU countries only.



Manufacturer:  
CASIO COMPUTER CO., LTD.  
6-2, Hon-machi 1-chome, Shibuya-ku, Tokyo 151-8543, Japan  
Responsible within the European Union:  
CASIO EUROPE GmbH  
Casio-Platz 1, 22848 Norderstedt, Germany

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## **About the Separate User's Guide (Tutorial)**

You can find the separate "User's Guide (Tutorial)" at the CASIO Website URL below.

<http://world.casio.com/>

## **Data Backup**

Data created with TRACKFORMER can be transferred to a computer for storage. The data transfer operation requires special application software. For more information, refer to the separate "User's Guide (Tutorial)".

- Company and product names used in this manual may be registered trademarks of others.
  - eneloop is a registered trademark of the Panasonic Group.
  - EVOLTA is registered trademark of Panasonic Corporation.
  - Other company, product, technology, and other names used herein may also be trademarks or service marks of others.

# General Guide

## Operating Precautions

Be sure to read and observe the following operating precautions.

- Even if the product is within its warranty period as noted on the warranty certificate, use of the crossfader and volume controls in a way that exceeds their durability (such as excessive scratch play, etc.) may make their lifetime shorter than normal parts. In such a case, you will be charged for servicing, even if the product is still within the warranty period.
- With a model that has a recording function or other data storage function, be sure to back up any data you want to maintain to another medium before submitting this product for servicing or repair. Stored data may be accessed or even deleted as part of servicing or repair procedures.

### ■ Location

Avoid the following locations for this product.

- Areas exposed to direct sunlight and high humidity
- Areas subjected to temperature extremes
- Near a radio, TV, video deck, or tuner
- The above devices will not cause malfunction of the product, but the product can cause interference in the audio or video of a nearby device.

### ■ User Maintenance

- Never use benzine, alcohol, thinner, or other chemical agents to clean the product.
- To clean the product, wipe with a soft cloth moistened in a weak solution of water and a mild neutral detergent. Wring all excess moisture from the cloth before wiping.

### ■ Included and Optional Accessories

Use only accessories that are specified for use with this product. Use of unauthorized accessories creates the risk of fire, electric shock, and personal injury.

### ■ Weld Lines


Lines may be visible on the exterior of the product. These are “weld lines” that result from the plastic molding process. They are not cracks or scratches.

### ■ Musical Instrument Etiquette

Always be aware of others around you whenever using this product. Be especially careful when playing late at night to keep the volume at levels that do not disturb others. Other steps you can take when playing late at night are closing windows and using headphones.

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- The contents of this manual are subject to change without notice.

### ■ AC Adaptor Handling Precautions




- Use a power outlet that is easily accessible so you can unplug the AC adaptor when a malfunction occurs or whenever else you need to do so.
- The AC adaptor is intended for indoor use only. Do not use it where it might be exposed to splashing or moisture. Do not place any container, such as a flower vase, that contains liquid on the AC adaptor.
- Store the AC adaptor in a dry place.
- Use the AC adaptor in an open, well-ventilated area.
- Never cover the AC adaptor with newspaper, a table cloth, a curtain, or any other similar item.
- Unplug the AC adaptor from the power outlet if you do not plan to use the product for a long time.
- Never try to repair the AC adaptor or modify it in any way.
- Output polarity: 

## Safety Precautions

Thank you for selecting this CASIO product. Be sure to read these “Safety Precautions” before trying to use it. After reading this User’s Guide, keep it in a safe place for future reference.

### About safety symbols

Various symbols are used in this User’s Guide and on the product itself to ensure safe use, and to protect you and others against the risk of injury and against material damage. The meaning of each of the symbols is explained below.

 <b>Danger!</b>	This symbol indicates information that, if ignored or applied incorrectly, creates the risk of death or serious personal injury.
 <b>Warning!</b>	This symbol indicates information that, if ignored or applied incorrectly, could possibly create the risk of death or serious personal injury.
 <b>Caution!</b>	This symbol indicates information that, if ignored or applied incorrectly, could possibly create the risk of personal injury or material damage.

### Icon Examples



A triangle indicates a situation against which you need to exercise caution. The example shown here indicates you should take precaution against electric shock.



A circle with a line through it indicates information about an action that you should not perform. The specific action is indicated by the figure inside the circle. The example shown here means disassembly is prohibited.



A black circle indicates information about an action that you must perform. The specific action is indicated by the figure inside the circle. The example shown here indicates you must unplug the power cord from the power outlet.

### **Danger!**

#### Batteries

Perform the following steps immediately if leaking battery fluid ever gets into your eyes.

1. Do not rub your eyes! Rinse them with water.
2. Contact your physician immediately. Leaving alkaline battery fluid in your eyes can lead to loss of sight.



### **Warning!**

#### Smoke, Strange Odor, Overheating, and Other Abnormalities










Continued use of the product and/or AC adaptor while it is emitting smoke, a strange odor, or heat creates the risk of fire and electric shock. Take the following steps immediately.

1. Turn off power.
2. If you are using the AC adaptor for power, unplug it from the wall outlet.
3. Contact your original dealer or authorized CASIO service center.







#### AC Adaptor








- Misuse of the AC adaptor creates the risk of fire and electric shock. Be sure to observe the following points.
  - Use only the AC adaptor that is specified for use with this product.
  - Use only a power source whose voltage is within the rating marked on the AC adaptor.
  - Do not overload electrical outlets and extension cords.
- Misuse of the AC adaptor can damage or break it, creating the risk of fire and electric shock. Be sure to observe the following points.
  - Never place heavy objects on the AC adaptor or subject it to heat.
  - Never try to modify the AC adaptor or subject it to excessive bending.
  - Do not twist or pull on the AC adaptor power cord.
  - Should the power cord or plug become damaged, contact your original dealer or authorized CASIO service center.
- Never touch the AC adaptor while your hands are wet. Doing so creates the risk of electric shock.
- Do not use the AC adaptor if there is any type of liquid\*1 on it. Liquid creates the risk of fire and electric shock.
- When going out, make sure the product is in a location away from pets and other animals, and unplug the AC adaptor from the power outlet. An animal or pet chewing on the power cord can cause it short, leading to the risk of fire.
- Do not touch the AC adaptor if you can hear thunder in your area. Doing so creates the risk of electric shock.



 <b>Warning!</b>	
<b>Batteries</b>	
Misuse of batteries can cause them to leak resulting in damage to nearby objects, or to explode, creating the risk of fire and personal injury. Be sure to observe the following points. <ul style="list-style-type: none"> <li>• Never try to take batteries apart or allow them to become shorted.</li> <li>• Never expose batteries to heat or throw them into fire.</li> <li>• Never mix old batteries with new ones.</li> <li>• Never mix batteries of different types.</li> <li>• Never try to charge manganese or alkaline batteries.</li> <li>• Make sure the positive (+) and negative (-) ends of the batteries are facing correctly.</li> </ul>	
<b>Never throw the product into fire</b>	
Never throw the product into fire. Doing so can cause it to explode, creating the risk of fire and personal injury.	
<b>Liquid*1 and Foreign Matter</b>	
Liquid or foreign matter (such as pieces of metal, pencil lead, etc.) getting into the product creates the risk of fire and electric shock. Take the following steps immediately. <ol style="list-style-type: none"> <li>1. Turn off power.</li> <li>2. If you are using the AC adaptor for power, unplug it from the wall outlet.</li> <li>3. Contact your original dealer or authorized CASIO service center.</li> </ol>	
<b>Disassembly and Modification</b>	
Never try to take this product apart or modify it in any way. Doing so creates the risk of electric shock, burn injury, or other personal injury. Leave all internal inspection, adjustment, and maintenance up to your original dealer or authorized CASIO service center.	
<b>Dropping and Impact</b>	
Continued use of this product after it has been damaged by dropping or subjecting it to strong impact creates the risk of fire and electric shock. Take the following steps immediately. <ol style="list-style-type: none"> <li>1. Turn off power.</li> <li>2. If you are using the AC adaptor for power, unplug it from the wall outlet.</li> <li>3. Contact your original dealer or authorized CASIO service center.</li> </ol>	
<b>Do not allow plastic bags to be placed over the head or ingested</b>	
Never place the plastic bag this product comes in over your head or in your mouth. Doing so creates the risk of suffocation. Particular care concerning this precaution is required where small children are present.	
<b>Do not step or stand on the product</b>	
Doing so can cause the product to tip over or become damaged. Particular care concerning this precaution is required where small children are present.	
<b>Avoid unstable locations.</b>	
Do not locate the product on an unsteady platform, on an uneven surface, or in any other unstable location. An unstable location can cause the product to fall over, creating the risk of personal injury.	

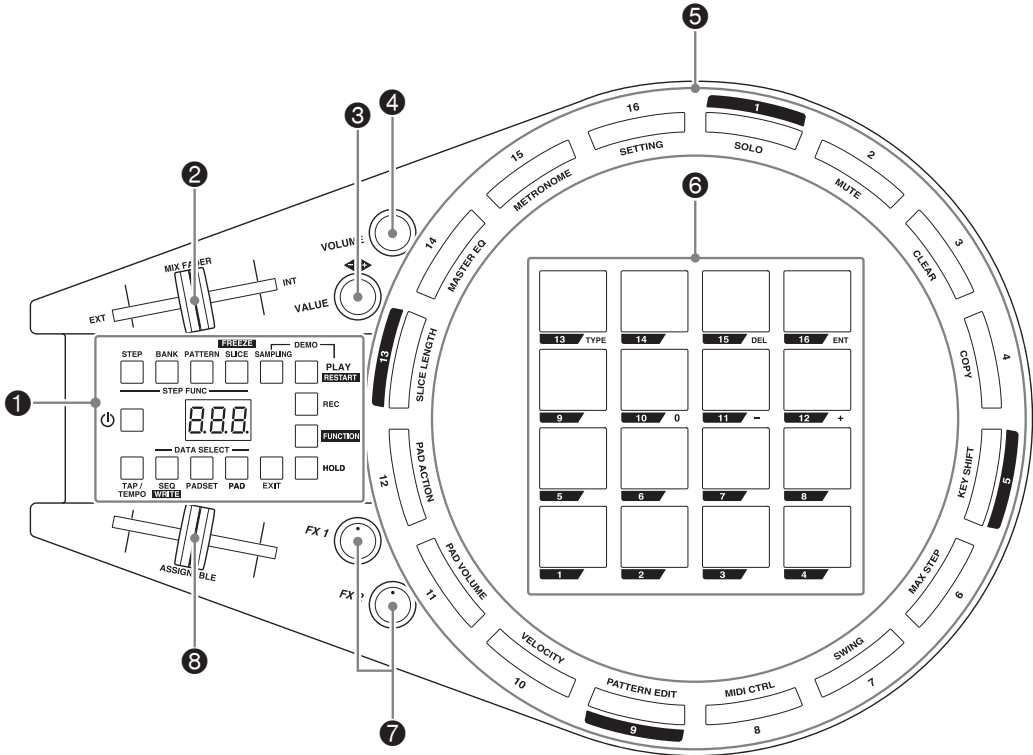
\*1 Water, sports drinks, sea water, pet or other animal urine, etc.

 <b>Caution!</b>	
<b>AC Adaptor</b>	
<ul style="list-style-type: none"> <li>• Misuse of the AC adaptor creates the risk of fire and electric shock. Be sure to observe the following points. <ul style="list-style-type: none"> <li>• Do not locate the electric cord near a stove or other sources of heat.</li> <li>• Never pull on the cord when unplugging from the electrical outlet. Be sure to grasp the AC adaptor body.</li> </ul> </li> <li>• Misuse of the AC adaptor creates the risk of fire and electric shock. Be sure to observe the following points. <ul style="list-style-type: none"> <li>• Insert the AC adaptor into the wall outlet as far as it will go.</li> <li>• Unplug the AC adaptor from the wall outlet before leaving on a trip or other long-term absence.</li> <li>• To keep dust from building up in the area between the prongs of the power plug, unplug it from the power outlet and use a dry cloth or vacuum cleaner to remove dust at least once a year.</li> <li>• Never use detergent to clean the power cord, especially the plug and jack parts.</li> </ul> </li> </ul>	  
<b>Relocating the Product</b>	
Before relocating the product, confirm that the AC adaptor is unplugged from the wall outlet, and all other cables and connecting cords are disconnected. Leaving the AC adaptor plugged in creates the risk of damage to the AC adaptor, fire, and electric shock.	
<b>Cleaning</b>	
Before cleaning the product, first unplug the AC adaptor from the wall outlet. Leaving the AC adaptor plugged in creates the risk of damage to the AC adaptor, fire, and electric shock.	

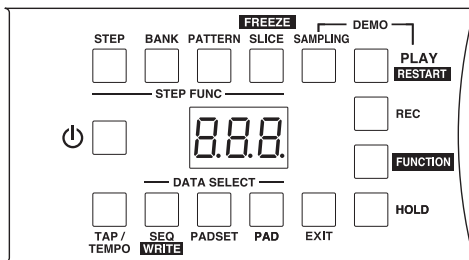
 <b>Caution!</b>	
<b>Batteries</b>	
Misuse of batteries can cause them to leak, resulting in damage to nearby objects, or to explode, creating the risk of fire and personal injury. Be sure to observe the following points.	
<ul style="list-style-type: none"> <li>• Use only batteries that are specified for this product.</li> <li>• Remove batteries from the product if you do not plan to use it for a long time.</li> </ul>	
<b>Rechargeable batteries</b>	
<ul style="list-style-type: none"> <li>• Use Panasonic Group AA-size enloop batteries or AA-size rechargeable EVOLTA batteries. Do not use any other type of rechargeable batteries.</li> <li>• When charging batteries, use only the specified special charger required for each battery type.</li> <li>• Rechargeable batteries cannot be charged while they are loaded in TRACKFORMER.</li> <li>• When using enloop batteries, rechargeable EVOLTA batteries, or a special charger required for the batteries, be sure to read and comply with the information in the user documentation and precautions that come with them.</li> </ul>	
<b>Connections</b>	
Connect only specified devices and equipment to the product's connectors. Connecting anything else creates the risk of fire and electric shock.	
<b>Locations to Be Avoided</b>	
Avoid the following locations for this product. These types of locations create the risk of fire and electric shock.	
<ul style="list-style-type: none"> <li>• Areas subject to high humidity or large amounts of dust</li> <li>• In food preparation areas or other areas subject to oil smoke</li> <li>• Near air conditioning equipment, on a heated carpet, in areas exposed to direct sunlight, inside of a vehicle parked in the sun, or any other area that subjects the product to high temperatures</li> </ul>	
<b>Volume Level</b>	
Do not listen to audio output at very loud volumes for long periods. Particular care concerning this precaution is required when using headphones. High volume settings can damage your hearing.	
<b>Heavy Objects</b>	
Never place any heavy object on top of the product. Doing so can cause the object to fall off and create the chance of personal injury.	

## Names of Controllers and their Functions

- This section explains the numbers and names used in this manual for buttons and controllers.
- ⓘ: Indicates the page you should refer to for more information.







### 1 Selector panel







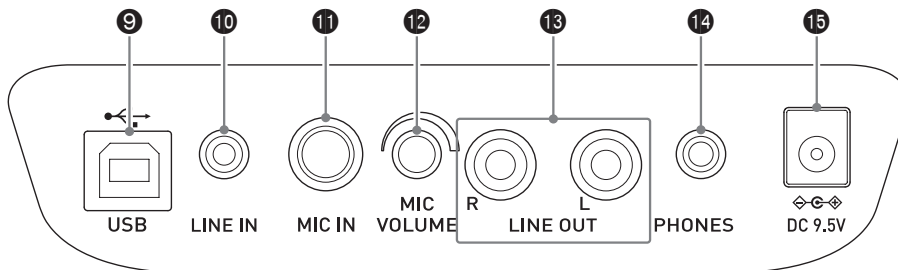
- **Power** button ⓘ10
- **Display**
- **STEP** button ⓘ12  
Enables creation of sequence data using the sequence step keys.
- **BANK** button ⓘ13  
Enables bank selection using the sequence step keys.
- **PATTERN** button ⓘ14  
Enables pattern selection using the sequence step keys.

- **SLICE** button ⓘ17  
Enables slicing of sequence data or an external sound source using the sequence step keys.
- **SAMPLING** button ⓘ16  
Samples a sequence or external input.
- **PLAY** button ⓘ11, 12  
Starts and stops sequence playback.
- **REC** button ⓘ13, 16  
Starts and stops real-time recording. Also used to start and stop sampling.
- **FUNCTION** button ⓘ14, 15  
Used for configuring detailed settings.
- **HOLD** button ⓘ14, 17  
Puts sounds and/or effects into a hold state.
- **EXIT** button  
Backsteps to the previous menu or other screen.
- **PAD** button ⓘ15  
Switches a particular pad's tone and/or effect.
- **PADSET** button ⓘ15  
Switches the tone and/or effect of all pads.
- **SEQ** button ⓘ12, 14, 15  
Switches the sequence.

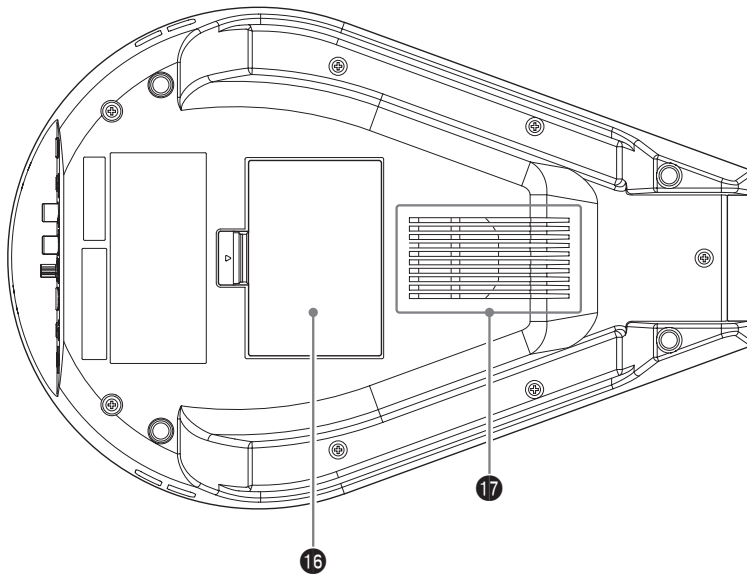


- **TAP/TEMPO** button  16  
Adjusts playback tempo.
- ② **MIX FADER**  17  
Adjusts the volume balance between the internal sound source (sequence) and an external sound source.
- ③ **VALUE** knob  10, 16  
Rotate to change a value. Rotating to the left reduces the value, while rotating to the right increase it. The extent that the value is changed depends on how much the knob is rotated. Positioning the knob at 12 o'clock stops the value change operation.
- ④ **VOLUME** knob  11

- ⑤ **Sequence step keys**  12, 13, 14, 14, 17  
When using the step sequencer, toggle each step between on and off. These keys are also used when configuring detailed settings.
- ⑥ **Pads**  10, 11  
Tap to produce a sound or apply an effect. You can also use these pads to input or change a number or value setting.
- ⑦ **FX1/FX2** knobs  17  
Adjust the intensity of the applied effects.
- ⑧ **ASSIGNABLE** fader  18  
Can be used to apply a scratch effect. The function assigned to this fader can be specified by you. For more information, refer to the separate User's Guide (Tutorial).



- ⑨ **USB** port  
Use a USB cable to connect to a computer, etc.
- ⑩ **LINE IN** terminal  
Use to plug in a cable with a stereo mini plug to connect with a portable audio player, etc.
- ⑪ **MIC IN** terminal  
Use to plug in a microphone with a monaural standard plug.
- ⑫ **MIC VOLUME** knob  
Adjusts the microphone input level.
- ⑬ **LINE OUT L/R** terminals  
Use to plug in a cable with RCA pin plugs to connect a speaker, mixer, etc.
- ⑭ **PHONES** terminals  
Use to plug in headphones with a stereo mini plug.
- ⑮ **DC 9.5V** terminal  
Use to connect the supplied AC adaptor to supply power from a household power outlet.



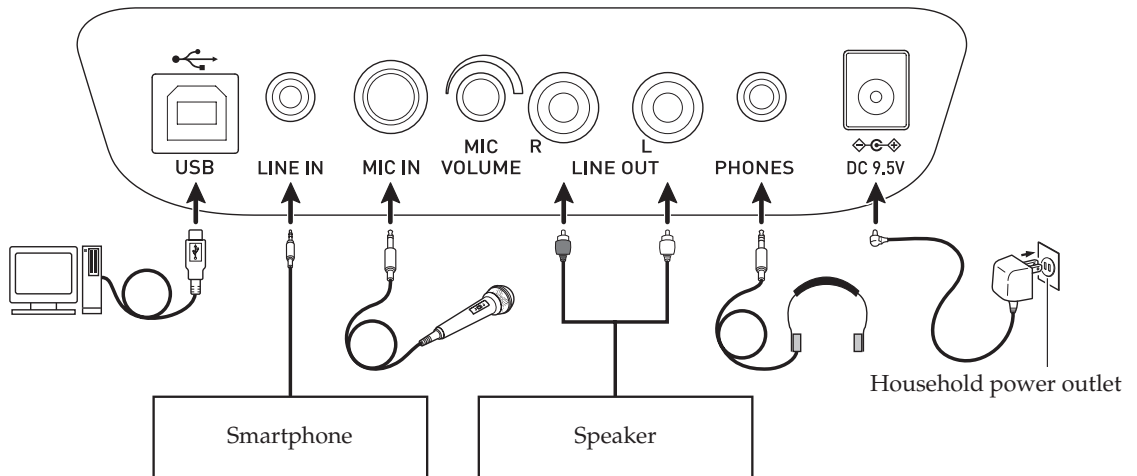
16 Battery compartment

17 Speaker

## Connection Examples

### IMPORTANT!

- Before connecting an external device, first set **VOLUME** to minimum volume.



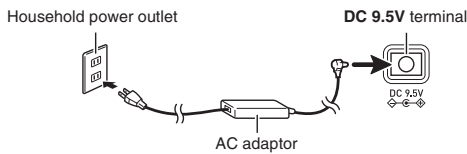
## Power Requirements

TRACKFORMER supports operation using one of two different power supplies: household electrical power or batteries. Be sure to turn off power whenever you are not using TRACKFORMER.

### Using the AC Adaptor

Make sure that you use only the AC adaptor specified for TRACKFORMER. Use of a different type of AC adaptor can cause malfunction.

**Specified AC Adaptor: AD-E95100L**  
(JEITA Standard plug)



#### **IMPORTANT!**

- Be sure to turn off TRACKFORMER power before connecting or disconnecting the AC adaptor.
- The AC adaptor will become warm to the touch after very long use. This is normal and does not indicate malfunction.
- To prevent breaking of the wire, take care to avoid putting any type of load on the power cord.



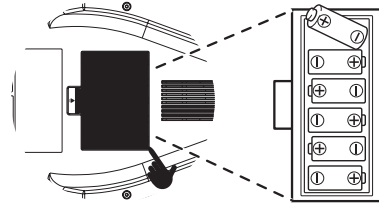
- Never insert metal, pencils, or any other objects into the product's 9.5V DC terminal. Doing so creates the risk of accident.

### Using Batteries

Use six AA-size batteries for power.

You can use any one of the following types of batteries for power: AA-size manganese batteries, AA-size alkaline batteries, rechargeable AA-size Panasonic Group eneloop or EVOLTA batteries. Do not use any other type of rechargeable batteries except for those specified above. When charging batteries, use only the specified special charger required the each battery type. When using a battery charger, be sure to read and follow the instructions and precautions in the user documentation that comes with the charger. TRACKFORMER does not come with chargeable batteries or a charger.

- Remove the battery compartment cover located in the center of TRACKFORMER's bottom panel, and load six AA-size batteries into the battery compartment. Make sure the plus and minus ends of the batteries are facing as shown in the illustration.



### Low Battery Indication

The amount of operating time that can be expected under battery power is shown below.

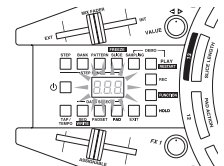
**Approximately five hours**

- Using a high volume setting, low ambient temperature, and certain performance styles can shorten battery life.



#### **IMPORTANT!**

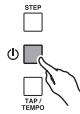
- General guidelines concerning battery life are provided above. Note that actual battery life depends on the type of battery being used.
- Replace batteries at least once a year. In particular, leaving dead rechargeable (eneloop, EVOLTA) batteries loaded in the product creates the risk of deterioration of the rechargeable batteries. Remove batteries from TRACKFORMER as soon as possible after they go dead.
- Be sure to turn off TRACKFORMER before replacing batteries.
- When replacing batteries, be sure to load a full set of six new AA-size manganese batteries, AA-size alkaline batteries, or a set of fully charged AA-size rechargeable batteries (eneloop or EVOLTA). Using batteries other than those specified or mixing old and new batteries can greatly shorten battery life and result in malfunction.

Low battery power is indicated when the display starts to flash. Replace batteries with new ones as soon as possible.



## Turning Power On or Off

1. Hold down the  (Power) button until figures appear on the display. This indicates that power is on.
2. To turn off power, hold down the  (Power) button until the display goes blank.



### NOTE

- Turning off power puts TRACKFORMER into a standby state. Minute amounts of current continue to flow within TRACKFORMER in the standby state. If you do not plan to use the product for a long time or if there is a chance of a lightning storm in your area, be sure to unplug the AC adaptor from the wall outlet.
- Under initial factory default settings, turning on power automatically returns TRACKFORMER settings to what they were the last time you turned it off (AUTO RESUME). You can disable the AUTO RESUME setting if you want. For more information, refer to the separate User's Guide (Tutorial).

## Auto Power Off

TRACKFORMER turns off automatically to avoid wasting power if no operation is performed for a preset amount of time. Auto Power Off trigger times are shown below.

- Battery-powered operation  
Approximately 6 minutes
- AC adaptor-powered operation  
Approximately 4 hours

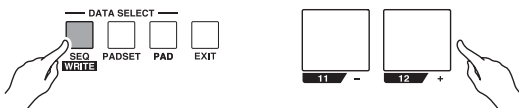
### NOTE

- You can disable Auto Power Off if you want. For more information, refer to the separate User's Guide (Tutorial).

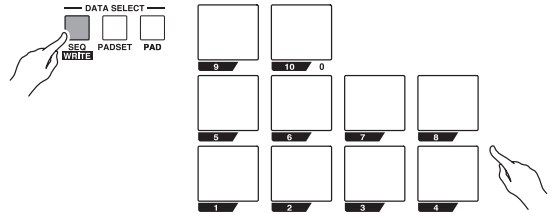
## Changing Number and Value Settings

You can use any one of the three operations shown below to change a sequence data number or a pad tone. While holding down the button for the function whose setting you want to change, perform one of the operations below. For example, if you want to change the sequence, hold down the selector panel's **SEQ** button and then perform one of the operations below.

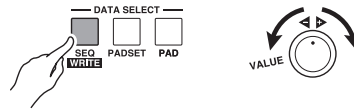
- Press pad 11 (-) or pad 12 (+).



- Use pads 1 through 10 to input the value you want.  
Example: To select sequence data 010, input 010.



- Rotate the **VALUE** knob.





### NOTE

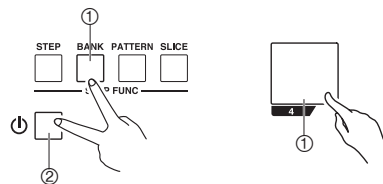
- When inputting a value with pads 1 through 10, you can press pad 15 (DEL) to delete the last digit you input.
- In this manual, all of the procedures use pads 11 (-) and 12 (+) for value input.

## Returning TRACKFORMER to Initial Factory Defaults

Perform the procedure below to return the TRACKFORMER system (sequence data, settings, etc.) to its initial factory default state.

1. Press the  (Power) button to turn off power.
2. While holding down pad 4 and the **BANK** selector button, press  (Power) to turn on power.

This initializes TRACKFORMER.

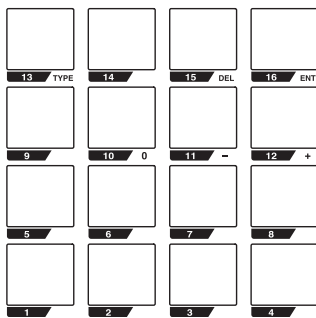


# Using TRACKFORMER

## Producing Sound

Different sounds are assigned to each of the 16 pads. Tapping a pad produces the sound assigned to it.

- Use the **VOLUME** knob to adjust the volume level.
- Pads **13** to **16** have an effect assigned to them, so no sound is produced when you press them. For more information, see “Applying an Effect” (page EN-14).
- Under the initial factory default setup, the volume of the sounds produced depends on how hard you tap the pad. For information about how to change settings so the volume is always the same, refer to the separate Tutorial Manual.



### ■ If no sound is produced when a pad is tapped...

Try the operations below.

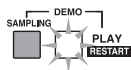
- Rotate the **VOLUME** knob to the right to increase volume.
- Set the **MIX FADER** to a position that is right of center.

## Playing the Demo Song

TRACKFORMER has a built in song that demonstrates its various features.

1. While holding down the **SAMPLING** selector button, press the **PLAY** button.

This starts demo song playback.

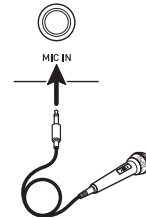


2. Press the **PLAY** button again to stop playback.

- To restart playback from the beginning of the song, hold down the **FUNCTION** button as you press the **PLAY** button.

## Playing Back from an External Sound Source

1. Connect a music player or microphone to TRACKFORMER (page EN-8).



2. Play the desired song on the music player or input sound with the microphone.

This should cause the corresponding sound to be output from the TRACKFORMER's speaker.

## Display Screen

The display screen and supported alpha characters are shown below.

A	B	C	D	E	F	G	H	I
J	K	L	M	N	O	P	Q	R
S	T	U	V	W	X	Y	Z	#

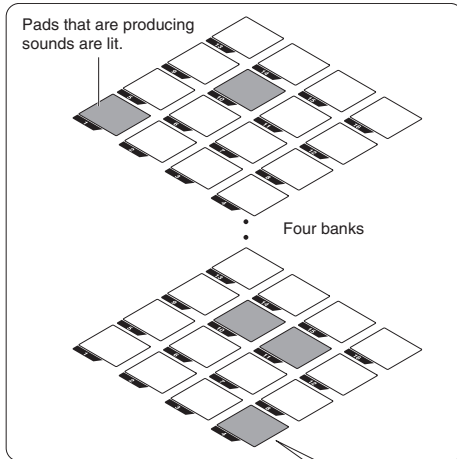
# Using the Step Sequencer to Create a Song

## What is a step sequencer?

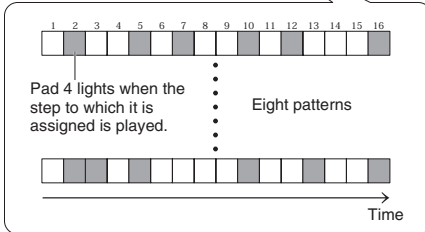
TRACKFORMER's step sequencer is made up of up to 16 steps, four banks, and eight patterns. The 16 sequence step keys that encircle the pads can be assigned sounds and/or effects for looped playback. One pattern consists of four banks, and up to eight patterns can be combined to create a variety of different sequences.

### Step Sequencer Structure Schematic

General Structure



Pad 4 Step Information

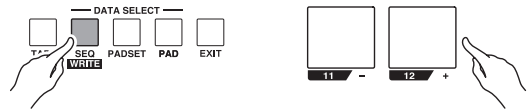


## Playing a Sequence

TRACKFORMER has enough memory to store 150 sequence data files. You can play back sequence data by specifying its file number.

File Number	File Contents
000 to 099	Fixed sequence data (Cannot be overwritten.)
100 to 149	Replaceable sequence data

1. While holding down the **SEQ** selector button, use the **11 (-)** and **12 (+)** buttons to select the desired file number.



2. Press the **PLAY** selector button.

The sequence data in the file will start to play, with sequence step keys lighting in numeric sequence.

3. To stop playback, press the **PLAY** button again.

- To restart playback from the beginning of the sequence data (**RESTART**), hold down the **FUNCTION** button as you press the **PLAY** button.

## Creating a Sequence

You can use either of two methods to create a sequence: pressing a pad and sequence step key to assign sounds to sequence step keys one by one, and tapping pads while recording to assign sounds to sequence step keys.

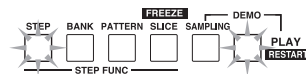
### NOTE

- Turning off TRACKFORMER power cause the sequence that is being created to be deleted. For information about saving sequence data, see "Saving Sequence Data" (page EN-14).

### To assign sounds one by one

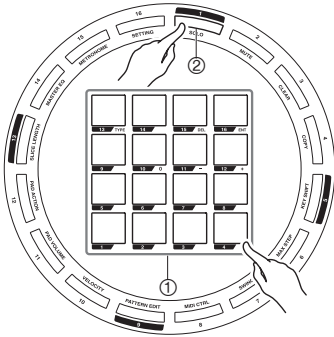
1. Press the **STEP** selector button.
2. Press the **PLAY** selector button.

The sequence data in the file will start to play, with sequence step keys lighting in numeric sequence.



3. After tapping the pad of the sound you want to use, press a sequence step key.

This assigns the pad's sound to the sequence step key. The sound will be produced whenever the sequence step key lights.



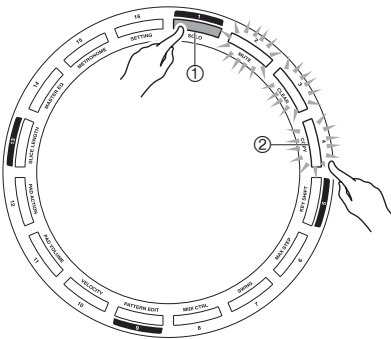
4. Repeat step 3 to assign sounds to other sequence step keys.
5. After you are finished assigning sounds to sequence step keys, press the **PLAY** button to stop sequence playback.

#### NOTE

- You can also assign sounds to sequence step keys without playing back sequence data.

#### ■ Sustaining a Sound

While holding down the sequence step key where you want the sound to start, press the sequence step key where you want it to end.



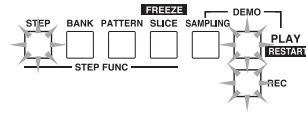
#### ■ Cancelling a Sound Assignment

After pressing the pad of the sound you want to cancel, press the sequence step key that is assigned the sound.

## To assign sounds while recording

1. Press the **PLAY** selector button.
2. Press the **REC** selector button.

Recording starts, with sequence step keys lighting in numeric sequence.



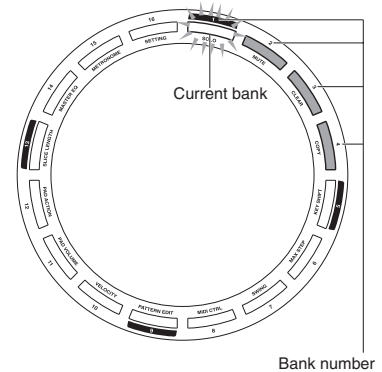
3. Press a pad.  
This records the pad sound and assigns it to a sequence step key.
4. After you are finished assigning sounds to sequence step keys, press the **REC** button to stop recording.
5. Press the **PLAY** button to stop sequence data recording.

## Changing to Another Bank

Use the procedure below change to another bank when you want to add a different tone to a sequence.

1. Press the **BANK** selector button.

This enables bank selection using sequence step keys 1 through 4.



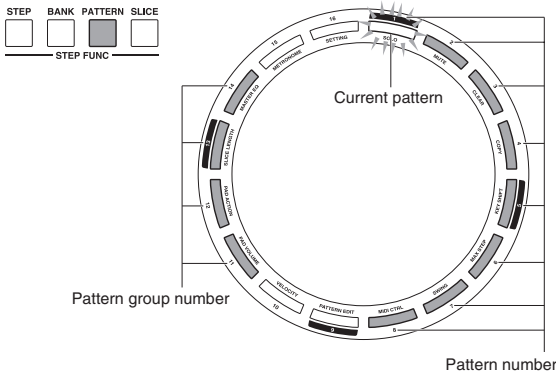
2. Press the sequence step key whose number corresponds to the bank you want to use.  
This switches to the selected bank.

## Changing to Another Pattern

Use the procedure below to change to another pattern for sequence data creation.

### 1. Press the **PATTERN** selector button.

This enables pattern selection using sequence step keys 1 through 8.



### 2. Press the sequence step key whose number corresponds to the pattern you want to select (1 to 8).

This switches to the selected pattern.

#### NOTE

- You can change the pattern group using sequence step keys 11 through 14. Changing the pattern group makes it possible to play back multiple patterns and to change the pattern playback sequence. For more information, refer to the separate User's Guide (Tutorial).

## Applying an Effect

The filter effect is assigned to pad 13 in bank 1 of sequence data file 000. Pressing pad 13 causes the filter effect to be applied to the sequence data. You can also assign an effect to a sequence step key and create a sequence that has the effect applied.

### To apply an effect

- While holding down the **SEQ** selector button, use the 11 (–) and 12 (+) buttons to select sequence data file number 000.
- After pressing the **BANK** selector button, press sequence step key 1 to select bank 1.

### 3. Press pad 13.

The filter effect is applied to the sequence data while the pad is depressed.

- If you want an effect to be applied continually, hold down the **HOLD** selector button as you press pad 13.

#### NOTE

- Various effects are assigned to pads 14 through 16 in bank 1 of sequence data file 000 as well. You can apply multiple effects by pressing more than one pad at the same time.

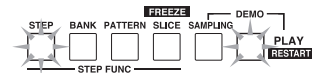
## To assign an effect to a sequence step key

- Perform steps 1 and 2 under “To apply an effect” to select sequence data file 000.

- Press the **STEP** selector button.

- Press the **PLAY** selector button.

The sequence data in the file will start to play, with sequence step keys lighting in numeric sequence.



- After pressing pad 13, press the sequence step key of the step where you want to apply the filter effect.

This assigns the filter effect to the sequence step key.

- To assign an effect to a sequential series of sequence step keys, hold down the first sequence step key of the series as you press the last sequence step key of the series.

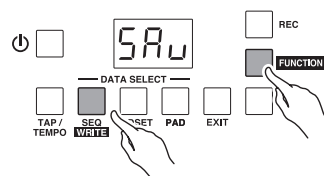
#### NOTE

- You can also assign an effect to sequence step keys without playing back sequence data.

## Saving Sequence Data

You can replace the sequence data in TRACKFORMER sequence data files 100 through 149 with sequence data you create.

- While holding down the **FUNCTION** selector button, press the **SEQ (WRITE)** button.





- Use pads **11 (-)** and **12 (+)** to specify the number of the file where you want to store the sequence data.
  - You can specify a sequence data file number from 100 through 149.

- Press pad **16 (ENT)**.

This stores the sequence data in the file whose number you specified.

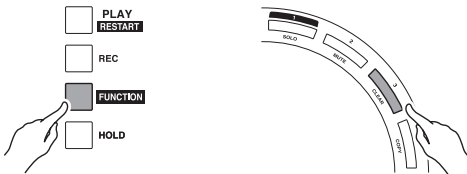
### NOTE

- Note that the contents of sequence data files 000 through 099 are write protected and cannot be overwritten.

## Deleting a Sequence

Use the procedure below to delete the current sequence.

- While holding down the **FUNCTION** button, press sequence step key **3 (CLEAR)**.



CLR

- Press the **SEQ** button.

SEQ

- Press pad **16 (ENT)**.

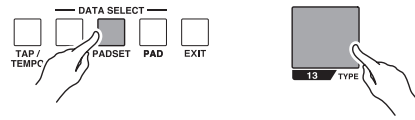
This deletes the sequence data.

### NOTE

- The contents of a sequence data file whose data was deleted will revert to their last saved state.
- You can also delete the contents of a particular bank and/or pattern. For more information, refer to the separate User's Guide (Tutorial).

## Changing the Tone of All Pads

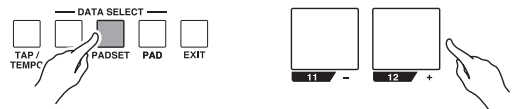
- While holding down the **PADSET** selector button, use pad **13 (TYPE)** to select a tone type.



Display Indicator	Name	Pad Assignment
<i>drn</i>	Drum	Drum kit
<i>mlD</i>	Melody	Melody tones of various musical intervals.
<i>syn</i>	Solo synthesizer	Classical analog synthesizer tone. This option can be selected for bank 1 only. This tone is monophonic.
<i>SNP</i>	Sampling	Sampled tone

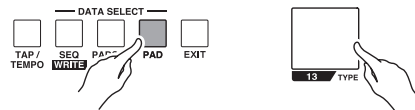
- While holding down the **PADSET** selector button, use the **11 (-)** and **12 (+)** buttons to change the tone.

This changes the tone of all the pads.



## Changing the Tone of a Particular Pad

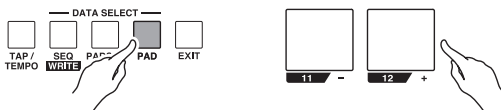
- Press the pad whose tone you want to change.
- While holding down the **PAD** selector button, use pad **13 (TYPE)** to select a tone type.



Display Indicator	Name	Description
<i>Snd</i>	Sound	Tapping the pad sounds a drum kit, or a snare drum or other single sound. This tone can be selected when "DRM" (drum) is selected as the tone for all pads.
<i>SMP</i>	Sampling	Tapping the pad produces a sound recorded with the sampler. This tone can be selected when "DRM" (drum) is selected as the tone for all pads.
<i>not</i>	Note	Tapping the pad plays a musical scale using the tone assigned to all pads. This tone can be selected when "MLD" (melody), "SYN" (solo synthesizer), or "SMP" (sampling) is selected as the tone for all pads.
<i>Eft</i>	Effect	Tapping the pad applies the effect.
<i>PHr</i>	Phrase	Tapping the pad plays multiple-note phrase.

- 3.** While holding down the **PAD** selector button, use the **11 (-)** and **12 (+)** buttons to change the pad tone.

This changes the tone of the pad you pressed in step 1.



## Sampling

Use the procedure below to sample sounds and assign them to a pad.

1. Press the **SAMPLING** selector button.
2. Use the **VALUE** knob to select the sampling type.

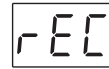
Display Indicator	Description
00-31	Samples for approximately three seconds.
32-35	Samples for approximately nine seconds.



3. Press the pad to which you want to assign the sampled sounds.

4. Press the **REC** selector button.

This starts recording.

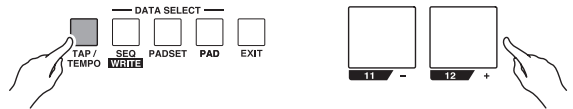


5. Play the sounds you want to sample.
6. Recording will stop when the specified recording time elapses or if you press the **REC** button.

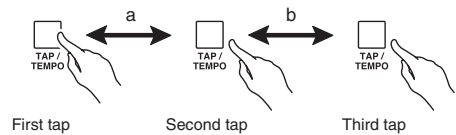
## Changing the Tempo

You can use either of the two methods below to change the tempo of a sequence.

- While holding down the **TAP/TEMPO** selector button, use pads **11 (-)** and **12 (+)** to change the tempo.



- Use the **TAP/TEMPO** button to tap the desired tempo. The setting will be the average of a and b in the illustration below.

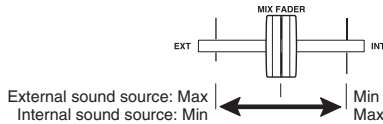


# Working with an External Sound Source

You can connect a smartphone or other music player to TRACKFORMER and apply effects to the external sound source. You can also connect a microphone to TRACKFORMER and use it as a microphone effector.

## Adjusting Volume

Use **MIX FADER** to adjust the balance between the external sound source and the internal sound source (sequence). The external and internal sound sources are at the same volume when the fader is in the center position.



## Applying Effects

The filter effect is assigned to pad 13 in bank 1 of sequence data file 000. The procedure below shows how to apply the filter effect to an external sound source by pressing pad 13.

1. Play back from an external sound source (page EN-11).
2. While holding down the **SEQ** selector button, use the **11 (-)** and **12 (+)** buttons to select sequence data file number 000.
3. After pressing the **BANK** selector button, press sequence step key **1** to select bank 1.
4. Press pad **13**.

The filter effect is applied to the external sound source while the pad is depressed.

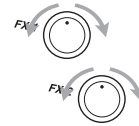
- If you want the effect to be applied continually, press the **HOLD** selector button and then press pad **13**.
- A simple operation changes the effect assigned to pad **13**. For more information, see "Changing the Tone of a Particular Pad" (page EN-15).

### NOTE

- Various effects are assigned to pads **14** through **16** in bank 1 of sequence data file 000 as well. You can apply multiple effects by pressing more than one pad at the same time.

## Adjusting the Intensity of the Effect

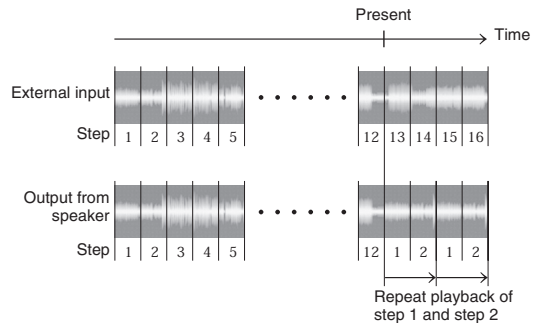
While an effect is being applied, you can rotate the **FX1** and **FX2** knobs to adjust the intensity. The parameters controlled by each of the knobs depend on the effect being applied. For more information, refer to the separate User's Guide (Tutorial).



## Slicing Audio

Use this procedure to slice part of an external sound source and repeat play it.

### Audio Slicing Schematic



1. Play back from an external sound source (page EN-11).
2. Press the **SLICE** selector button.  
Sequence step keys light in numeric sequence. The sound that plays while a sequence step key is lit is the sound assigned to the sequence step key.
  - The recorded sound is updated each time a sequence step key lights.



### 3. Hold down any one of the sequence step keys.

This loops the sound registered to the sequence step key you are holding down and the following step sound only.

- To loop three or more steps, hold down the step key that starts the loop as you press the sequence step key that ends the loop.
- To loop one step only, press the flashing final sequence step key.



#### NOTE

- The slice function can also be used with the internal sound source (sequence).

### ■ Using the Freeze Function

Enabling the freeze function stops updating of the sounds recorded to the sequence step keys.

#### 1. Press the **SLICE** selector button.

#### 2. While holding down the **FUNCTION** selector button, press the **SLICE** button.

This enables the freeze function.

#### 3. Hold down any one of the sequence step keys.

The sounds recorded when the freeze function is enabled are played in a loop.

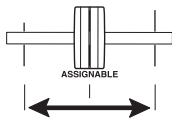
- To disable the freeze function, hold down the **FUNCTION** button again as you press the **SLICE** button.

## Applying the Scratch Effect

#### 1. Play back from an external sound source.

#### 2. Slide the **ASSIGNABLE** fader left and right.

- The scratch effect is applied in accordance with the speed of the fader movement.



#### NOTE

- If some other effect besides scratch is assigned to the **ASSIGNABLE** fader, that effect is applied. For more information, refer to the separate User's Guide (Tutorial).
- The scratch effect can also be applied to the internal sound source (sequence).

## Troubleshooting

Problem	Cause	Required Action	Reference
No sound is produced when I tap a pad.	<ol style="list-style-type: none"> <li><b>VOLUME</b> knob is at the minimum setting.</li> <li><b>MIX FADER</b> is set to the EXT side.</li> <li>There is an effect assigned to the pad you are tapping.</li> </ol>	<ol style="list-style-type: none"> <li>Rotate the <b>VOLUME</b> knob to the right.</li> <li>Move <b>MIX FADER</b> to the right.</li> <li>Tap another pad or change the current pad's tone.</li> </ol>	<p>☞ EN-11</p> <p>☞ EN-11</p> <p>☞ EN-15</p>
When connected to a computer, I can't send or receive data.	–	<ol style="list-style-type: none"> <li>Check of the USB cable between TRACKFORMER and the computer is connected correctly, and that the correct device is selected with the computer's music software setup.</li> <li>Try turning off TRACKFORMER and shutting down your computer's music software. Next, turn TRACKFORMER back on and restart your computer's music software.</li> </ol>	<p>☞ EN-18</p> <p>☞ EN-18</p>
Sounds and/or effects are not what I want. Turning TRACKFORMER off and then back on again does not resolve the problem.	The AUTO RESUME setting is enabled.	For information about how to change the AUTO RESUME setting, see the separate User's Guide (Tutorial).	–
Output volume does not change no matter how strongly I tap a pad.	The VELOCITY setting is enabled.	For information about how to change the VELOCITY setting, see the separate User's Guide (Tutorial).	–
Sequence data does not play when I press the PLAY button.	There is no sequence data stored in the sequence data file whose number you specified.	Assign sounds to the sequence step keys to create a sequence.	☞ EN-12
A displayed setting value keeps changing.	The <b>VALUE</b> knob is being used.	Return the <b>VALUE</b> knob to its 12 o'clock position.	☞ EN-10
External input does not sound.	Volume level adjustment is not correct.	<p>Check the player side volume level setting.</p> <p>If you are using a microphone, adjust the <b>MIC VOLUME</b> knob setting.</p> <p>Move <b>MIX FADER</b> to the left of center.</p>	<p>☞ EN-7</p> <p>☞ EN-17</p>
Pads and/or sequence step keys are not performing the operations they should.	There is an ongoing FUNCTION, SAMPLING, or other setting screen operation being performed.	Press the <b>EXIT</b> button to return TRACKFORMER to its power on state.	☞ EN-6
Sounds don't stop.	<ol style="list-style-type: none"> <li>HOLD is enabled.</li> <li>Pads are in the TOGGLE mode.</li> </ol>	<ol style="list-style-type: none"> <li>Press the <b>HOLD</b> button so it becomes unlit (which disables HOLD), or tap the currently lit pad one more time.</li> <li>Tap the currently lit pad one more time. If the TOGGLE mode is enabled for that pad, its sound will be sustained. Use <b>PAD ACTION</b> to change the TOGGLE mode setting to Momentary. For information about how to change the setting, see the separate "User's Guide (Tutorial)".</li> </ol>	☞ EN-6

## Product Specifications

Model Name		XW-PD1
Step Sequencer	Data Number	Preset: 100 User: 50
	Padset Type	Solo Synthesizer, PCM Melody, PCM Drum, User Sample
	Pad Type	Sound, Note, Effect, Phrase Seq, User Sample
	Pad Number	4 pads × 4 pads = 16 pads
	Step Number	16 steps
	Bank Number	4 banks
	Pattern	Measure Number: 16 measures Pattern Number: 8 patterns Group Number: 4 groups
	Phrase Sequencer	Preset: 100 User: 100
Sampling	Other Function	Solo, Mute, Key Shift: -24 to 0 to +24 Swing: 0% - 100% Velocity Curve: 4 types Retrigger: 13 types
	Sampling Frequencies	42 kHz
	Sampling Channel	Monaural
	User Samples	Short: 32 Samples Long: 4 Samples
	Quantization	16 bit
Demo Song		3 Songs
Fader		Mix Fader, Assignable Fader
Tempo Range		60 - 200
Effect	Pad Effect	Preset: 200 Types User: 100 Types FX Control: 2 knobs, 1 fader
	Master Equalizer	4 Bands
	Scratch	Yes Freeze: Yes
	Stereo Imager	3 types
	Maximizer	0 to 127
	Audio Slice	Yes
	Reverb	0 to 127
I/O	Power Jack	9.5 V DC
	PHONES Jack	Stereo Mini Jack Output Impedance: 44 Ω, Output Voltage: 0.75 V (RMS) MAX
	Line in Jack	Stereo Mini Jack Input Impedance: 9 kΩ, Input Sensitivity: 200 mV
	Mic In Jack	Standard Jack (connect a dynamic microphone only) Input Impedance: 3 kΩ, Input Sensitivity: 10 mV
	Line In/Mic In	AD Conversion: 42 kHz, Equivalent to 12 bit
	Line (R/L) Out	RCA Jack × 2 Output Impedance: 2.3 kΩ, Output Voltage: 1.2 V (RMS) MAX
	USB Port	TYPE B

Power Supply	2-way
Batteries	6 AA-size manganese batteries or alkaline batteries, or Panasonic Group AA-size rechargeable eneloop batteries or AA-size rechargeable EVOLTA batteries
Battery Life	Approximately 5 hours (alkaline batteries, eneloop/EVOLTA rechargeable batteries)
AC Adapter	AD-E95100L
Auto Power Off	Approximately 6 minutes after last key operation during battery use, approximately 4 hours after last key operation during AC adaptor use, Auto Power Off can be disabled.
Power Consumption	9.5 V --- 7.7 W
Dimensions	344.7 (W) × 232.0 (D) × 66.8 (H) mm (13 <sup>9</sup> / <sub>16</sub> × 9 <sup>1</sup> / <sub>8</sub> × 2 <sup>5</sup> / <sub>8</sub> inch)
Weight	Approximately 1.2 kg (excluding batteries) (2.5 lbs)

- Specifications and designs are subject to change without notice.

## AC Adaptor Handling Precautions

### Model: AD-E95100L

1. Read these instructions.
2. Keep these instructions on hand.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this product near water.
6. Clean only with a dry cloth.
7. Do not install near radiators, heat registers, stoves, or any other source of heat (including amplifiers).
8. Use only attachments and accessories specified by the manufacturer.
9. Refer all servicing to qualified service personnel. Servicing is required after any of the following occurs: when the product is damaged, when the power supply cord or plug is damaged, when liquid is spilled into the product, when a foreign object falls into the product, when the product is exposed to rain or moisture, when the product does not operate normally, when the product is dropped.
10. Do not allow the product to be exposed to dripping or splashing liquid. Do not place any object containing liquid on the product.
11. Do not allow the electrical load output to exceed the label rating.
12. Make sure the surrounding area is dry before plugging into a power source.
13. Make sure the product is oriented correctly.
14. Unplug the product during lightning storms or when you do not plan to use it for a long time.
15. Do not allow product ventilation openings to become blocked. Install the product in accordance with the manufacturer's instructions.
16. Take care the power cord is located where it will not be stepped upon or bent severely, particularly in locations close to plugs and convenience receptacles, and in locations where it exits from the product.
17. The AC adaptor should be plugged into a power outlet as close to the product as possible to allow immediate disconnection of the plug in case of emergency.

The symbol below is an alert indicating un-insulated hazardous voltage inside the product's enclosure, which may be sufficient to constitute the risk of electric shock to users.



The symbol below is an alert indicating the presence of important operating and maintenance (servicing) instructions in the documentation that accompanies the product.





This recycle mark indicates that the packaging conforms to the environmental protection legislation in Germany.

Esta marca de reciclaje indica que el empaquetado se ajusta a la legislación de protección ambiental en Alemania.

**CASIO®**

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