

Roland®

Roland V-Drums Catalog 2009 Vol.1

# V-Drums



2009  
Vol. 1



## New possibilities for drums, creativity begins here

Explore a new world of sound and control.

The drum kit redefined.

Complete freedom of expression.

Experience the revolutionary power of V-Drums.

In the quest to meet the needs of every drummer,

Roland continues to strengthen and expand its award-winning line of V-Drums®,

while steadfastly adhering to the highest quality standards.

When you play V-Drums, you can feel and hear the quality.

Experience a new world of expression, creativity, and inspiration that only V-Drums can offer.

V-Drums have become the global standard for drummers of every style and skill level.



### Roland V-Drums



### V-Drum Artists



Peter Erskine



Daniel Erlandsson



Dirk Brand



Travis Barker



Cesar Zuiderwijk



Michael Schack



Thomas Lang



Omar Hakim



# V-Pro® Series



TD-20S-BK

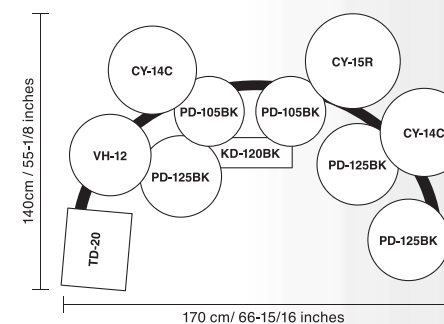
## Roland's Most Expressive and Dynamic V-Drums Kit Ever.

The V-Pro Series TD-20S is anchored by Roland's TD-20 module, famous for its stunning, ultra-expressive sound and powerful-yet-friendly V-Editing. The patented mesh V-Pads™ provide a comfortable, natural feel, a wide dynamic range, and authentic rimshot triggering, along with a cool look and striking finish. The V-Pro Series TD-20S also features Roland's innovative two-piece V-Hi-Hat® and a drum stand designed to hide the cabling. It's the ultimate kit for the modern drummer!

## V-Pro Series TD-20S-BK

### V-Pro Series TD-20S-BK

Percussion Sound Module	TD-20	X 1
V-Pad	PD-125BK	X 3
V-Pad	PD-105BK	X 2
V-Hi-Hat	VH-12	X 1
V-Cymbal Crash	CY-14C	X 2
V-Cymbal Ride	CY-15R	X 1
V-Kick Trigger Pad	KD-120BK	X 1
Drum Stand	MDS-20BK	X 1



\*Select a snare stand that can accept a 12-inch diameter fixed snare.  
\*A mesh material is used for the head of the KD-120BK. The use of plastic beaters is recommended because felt and wad beaters wear out quickly.

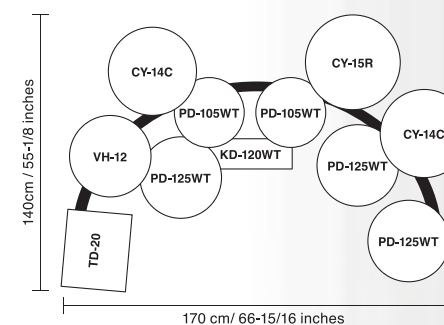


\*Snare stand, hi-hat stand and kick pedal not included and shown only for photography purposes.  
\*Connection cables are partially hidden for photography purposes.

## V-Pro Series TD-20S-WT

### V-Pro Series TD-20S-WT

Percussion Sound Module	TD-20	X 1
V-Pad	PD-125WT	X 3
V-Pad	PD-105WT	X 2
V-Hi-Hat	VH-12	X 1
V-Cymbal Crash	CY-14C	X 2
V-Cymbal Ride	CY-15R	X 1
V-Kick Trigger Pad	KD-120WT	X 1
Drum Stand	MDS-20BK	X 1



\*Select a snare stand that can accept a 12-inch diameter fixed snare.  
\*A mesh material is used for the head of the KD-120WT. The use of plastic beaters is recommended because felt and wad beaters wear out quickly.



\*Snare stand, hi-hat stand and kick pedal not included and shown only for photography purposes.  
\*Connection cables are partially hidden for photography purposes.



# V-Stage® Series



TD-12SV-BK

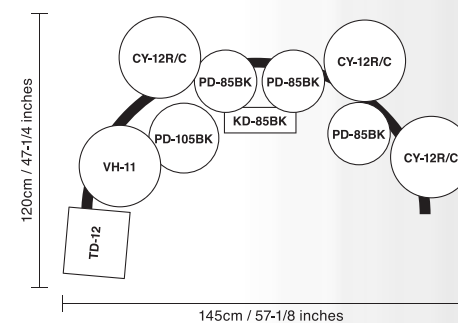
## Professional Quality in a Compact Kit

Great feeling, great sounding — the V-Stage Series TD-12SV makes the middle range of the V-Drums® line feel like first class. With mesh V-Pads™ all the way around, the TD-12SV lets drummers experience the best-feeling pads in the business. The TD-12 percussion sound module share the same sound quality as the flagship TD-20.

## V-Stage Series TD-12SV-BK

### V-Stage Series TD-12SV-BK

Percussion Sound Module	TD-12	X 1
V-Pad (for Snare)	PD-105BK	X 1
V-Pad	PD-85BK	X 3
V-Hi-Hat	VH-11	X 1
V-Cymbal Ride/Crash	CY-12R/C	X 3
V-Kick Trigger Pad	KD-85BK	X 1
Drum Stand	MDS-12BK	X 1



\*A mesh material is used for the head of the KD-85BK. The use of plastic beaters is recommended because felt and wad beaters wear out quickly.

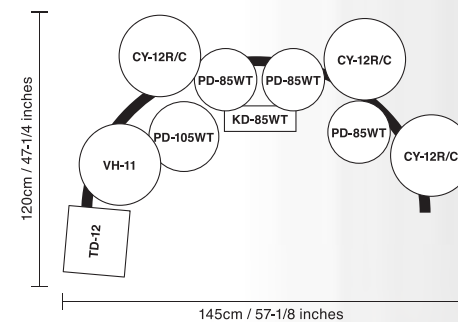


\*Hi-hat stand and kick pedal not included and shown only for photography purposes.  
\*Connection cables are partially hidden for photography purposes.

## V-Stage Series TD-12SV-WH

### V-Stage Series TD-12SV-WH

Percussion Sound Module	TD-12	X 1
V-Pad (for Snare)	PD-105WT	X 1
V-Pad	PD-85WT	X 3
V-Hi-Hat	VH-11	X 1
V-Cymbal Ride/Crash	CY-12R/C	X 3
V-Kick Trigger Pad	KD-85WT	X 1
Drum Stand	MDS-12BK	X 1



\*A mesh material is used for the head of the KD-85WT. The use of plastic beaters is recommended because felt and wad beaters wear out quickly.



\*Hi-hat stand and kick pedal not included and shown only for photography purposes.  
\*Connection cables are partially hidden for photography purposes.



# V-Tour® Series



TD-9SX

## Mid-Line Gets a First-Class Upgrade

For any type of gig, the V-Tour series enables the nuance of authentic drumming and more.

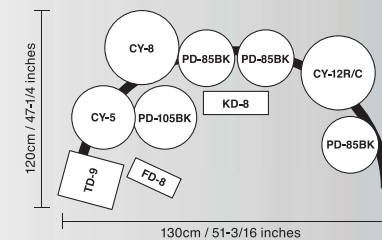
The TD-9 sound source delivers powerful, high-quality sound that cuts through the densest mixes. V-Tour kits also allow you to record and play along with backing songs and improve your drumming with accuracy meters. The sturdy MDS-9 drum stand provide the strength and flexibility to configure your kit exactly how you want it, and keep it firmly in place.

## V-Tour Series TD-9SX

The TD-9SX, with mesh-head V-Pads, is equipped many features of Roland's top-line models, including a 10-inch PD-105 snare and CY-12R/C V-Cymbal with three-way triggering.

### V-Tour Series TD-9SX

Percussion Sound Module	TD-9	X 1
V-Pad (for Snare)	PD-105BK	X 1
V-Pad	PD-85BK	X 3
V-Cymbal Ride/Crash	CY-12R/C	X 1
Dual-Trigger Cymbal Pad	CY-8	X 1
Dual-Trigger Cymbal Pad	CY-5	X 1
Kick Trigger Pad	KD-8	X 1
Hi-Hat Control Pedal	FD-8	X 1
Drum Stand	MDS-9	X 1



\*TD-9 supports the rim-triggering on the V-Pads (Mesh) for Toms and the 3 way-triggering with CY-12R/C for Ride.



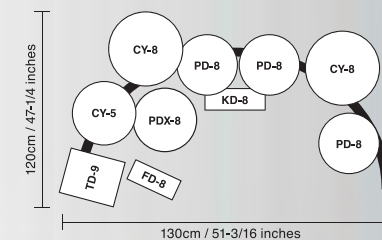
\*Kick pedal not included and shown only for photography purposes.  
\*Connection cables are partially hidden for photography purposes.

## V-Tour Series TD-9S

This popular kit features a 10-inch PDX-8 snare pad and PD-8 tom pad that responds beautifully to dynamics. The design of the TD-9 inspires expressive performance.

### V-Tour Series TD-9S

Percussion Sound Module	TD-9	X 1
V-Pad (for Snare)	PDX-8	X 1
Dual-Trigger Pad	PD-8	X 3
Dual-Trigger Cymbal Pad	CY-8	X 2
Dual-Trigger Cymbal Pad	CY-5	X 1
Kick Trigger Pad	KD-8	X 1
Hi-Hat Control Pedal	FD-8	X 1
Drum Stand	MDS-9	X 1



### The ball clamp system allows unrestricted angle adjustment

The MDS-9 drum stand used in the V-Tour series employs a ball clamp system for tilting snare drums and cymbals. Because it enables free rotation and fine adjustment in any direction, you can quickly set any angle you desire.



\*Kick pedal not included and shown only for photography purposes.  
\*Connection cables are partially hidden for photography purposes.



# V-Compact® Series



TD-4S

## Fun to Play, Comfortable to Use, and Great for Practice

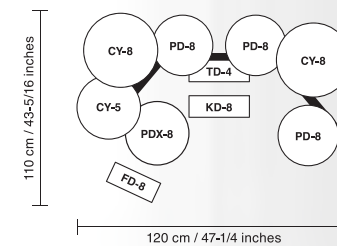
A dream for drummers, the new TD-4S offers outstanding feel, versatility, and affordability. With Roland's patented mesh V-pad snare, the TD-4S is a pleasure to play. It's ideal for practice, thanks to its Mix Input, Coach Mode, and Quick Rec features. It's also a great choice for the project studio, with improved sound quality and expressiveness, and MIDI output for sequencing or triggering other sounds.

## V-Compact Series TD-4S

### V-Compact Series TD-4S

Percussion Sound Module	TD-4	X 1
V-Pad(for Snare)	PDX-8	X 1
Dual-Trigger Pad	PD-8*	X 3
Dual-Trigger Cymbal Pad	CY-8	X 2
Dual-Trigger Cymbal Pad	CY-5	X 1
Kick Trigger Pad	KD-8	X 1
Hi-Hat Control Pedal	FD-8	X 1
Drum Stand	MDS-4	X 1

\*PD-8 is used as a single trigger pad for the TD-4.



\*Kick pedal not included and shown only for photography purposes.  
\*Connection cables are partially hidden for photography purposes.

### Quick Connections

The custom, color-coded cabling makes setup quick and easy. The cables are also perfectly sized for a clean, tidy setup.

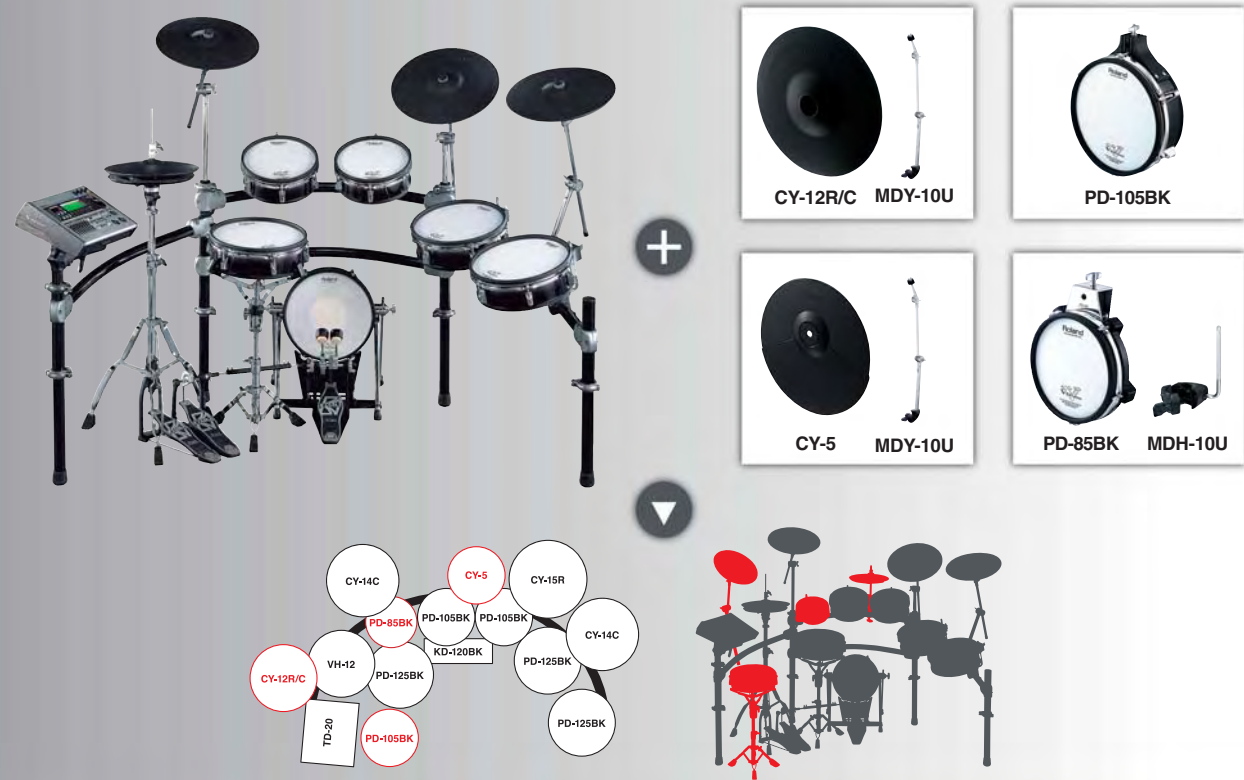




Options for Adding to V-Drum Kits

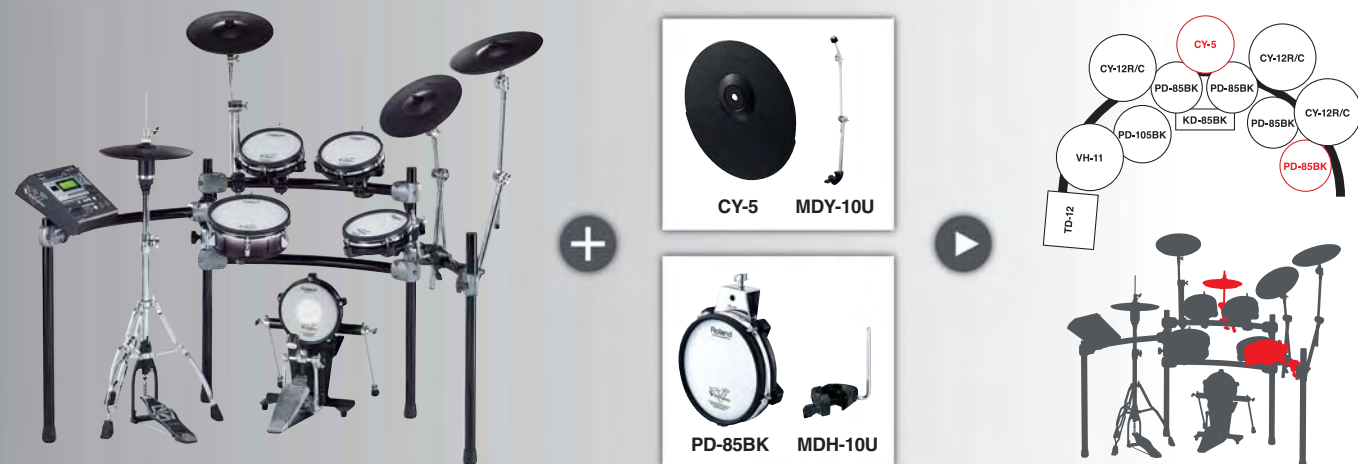
## V-Pro® Series TD-20S

Expand the TD-20S with an additional CY-12R/C crash cymbal pad, CY-5 splash cymbal pad, PD-105BK second snare pad, and PD-85BK high tom plus mounting hardware, as illustrated in the diagram.



## V-Stage® Series TD-12SV

Expand the TD-12SV with an additional CY-5 splash cymbal pad and PD-85BK tom pad plus mounting hardware, as illustrated in the diagram.



## V-Tour® Series TD-9SX

Expand the TD-9SX with an additional CY-8 crash cymbal pad and PD-85BK tom pad plus mounting hardware, as illustrated in the diagram.



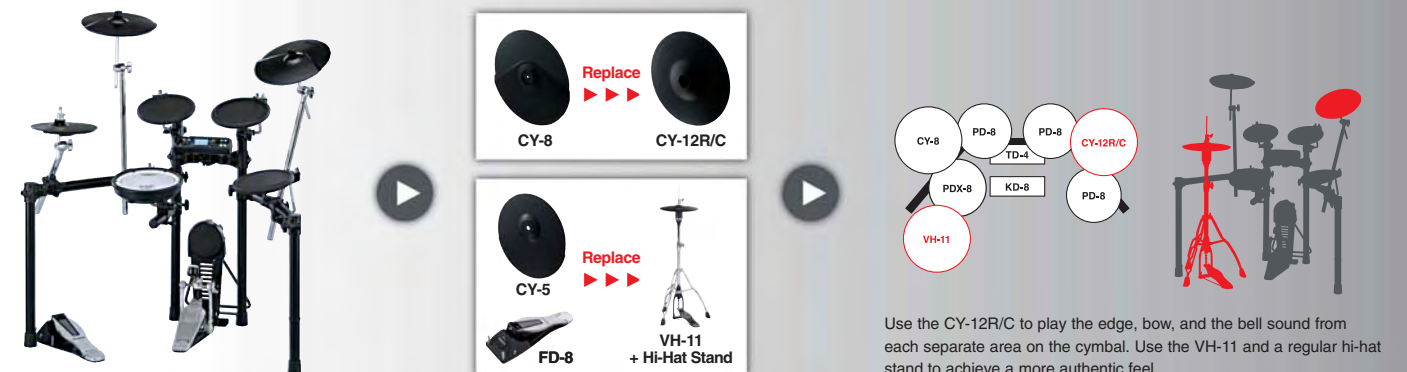
## V-Tour® Series TD-9S

Expand the TD-9S with an additional CY-12R/C ride/crash cymbal pad and PD-8 tom pad plus mounting hardware, as illustrated in the diagram.



## V-Compact® Series TD-4S

Expand the TD-4S by replacing the ride cymbal to a CY-12R/C three-way triggering V-Cymbal. Also replace the hi-hat to a VH-11 V-Hi-Hat.



Use the CY-12R/C to play the edge, bow, and the bell sound from each separate area on the cymbal. Use the VH-11 and a regular hi-hat stand to achieve a more authentic feel.



Creativity of V-Drums  
File No.01

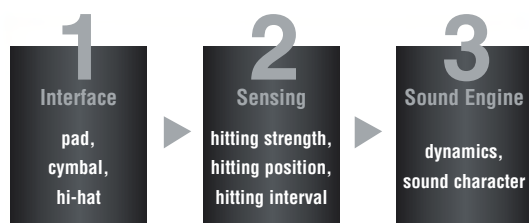
Percussion Sound Module

Since their debut over a decade ago, Roland V-Drums have become the most sought-after electronic percussion instruments in the world. Through bold innovation and constant evolution, Roland has refused to limit what an electronic drum can be. In the process, V-Drums have redefined the concept of drums as musical instruments.

What has elevated the V-Drums to such a high level of refinement, and how do they meet the expectations of drummers? Here you can find out about Roland's developmental approach and accumulated know-how.

Focus, innovation, dedication —  
Roland's commitment producing the finest and most innovative musical instruments

At Roland, our percussive legacy began with a single rhythm machine, the TR-77. Since the very beginning, and as it is today, our objective has been to endow electronic percussion with the organic properties of real instruments. Our attention has constantly been focused on bringing the musical qualities of instruments to a higher level. Over the decades, we have remained committed to producing uncompromised musical instruments, and V-Drums have been a crowning achievement. To raise the overall power of V-Drums, we have focused on three key factors: (1) interface – V-Pads, V-Cymbals, V-Hi-Hat, etc.; (2) sensing – shot strength, positioning, accurate detection of impact; and (3) sound engine – expressiveness of the sound itself. With each element perfectly and delicately intertwined, and with priority given to providing a supreme playing experience for the drummer, V-Drums have become the undisputed world leader in electronic percussion.



V-Drum sound source incorporates advanced technology for the perfect playing experience

Pad strike position, timing between shots in rolls, and other key factors allow V-Drums to respond perfectly to dynamic stickwork. Roland is always concerned with how the drummer interacts with the instrument, and we've spent decades of research and development in this pursuit. To do justice to the delicacy, nuance, and expression of individual playing styles, we have applied our complete expertise and know-how in advanced sound-source technology. One innovation is dynamic interval control. This capability detects and processes strike impact strength and stroke intervals. For example, when playing rolls or flams, the intervals are instantly detected and analyzed. High-speed processing enables an immediate and accurate response. The individual characteristics and nuance of a drummer's playing style and technique are authentically conveyed with V-Drums.

Sound quality that spec sheets can't convey

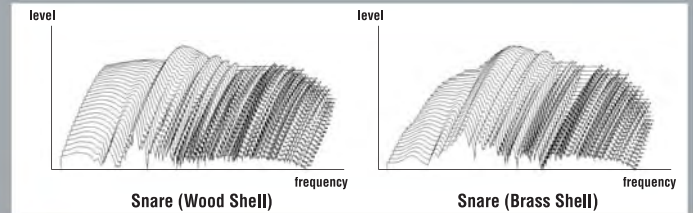
Specifications such as memory capacity, bit depth, and sampling rate are useful and informative, but when it comes to V-Drums, the sound is on a higher plane than mere spec sheets can convey. Simply put, Roland creates electronic drums that are true musical instruments, and it all starts with meticulous attention to detail. From the very first recording sessions, our master engineers scrutinize every detail, from the player to the recording equipment to the studio itself. But beyond the technology at hand, they also listen for factors that don't exist on spec sheets. Their aim is quality sound that also strikes chords of feeling and emotion. It's technology with soul.

V-EDIT (TD-20/12)

Build Your Kit From the Ground Up

If you've never experienced the power and user-friendliness of Roland's V-Editing, you're in for an incredibly pleasant surprise. The TD-20 and TD-12's visual, icon-driven editing screens make it amazingly simple to create your own kits from scratch. Thanks to powerful COSM® modeling technology, you can choose the shell material for the drums, the shell dimensions, the head types, snare-buzz amount, the amount of muffling, kick-drum beater type, the size of the cymbals, microphone positions, and more!

Frequency Plots



**Shell Material/Depth**  
Build your own snare drum with COSM®-modeled shell material, such as wood, brass, and steel. The depth of the kick and toms can also be changed.



**Head Type/Tuning**  
Here you can choose the type of drum head (such as clear, coated, and Pinstripe\*) and adjust the pitch. \*Pinstripe is a registered trademark of Remo Inc. U.S.A



**Muffling/Strainer Adjustment**  
Add a "doughnut-style" muffler on the snare or a weighted-type muffler on the bass drum. The snare strainer can also be adjusted.



**Kick Beater Selection**  
Choose from a variety of kick beaters, such as felt, wood, and plastic. \*Only possible on the TD-20.



**Cymbal Size**  
Here you can change the size of your cymbal from 1–40 inches.



**Sizzle**  
Add realistic sizzle to your cymbal with modeled rivets or a chain. \*Only the TD-12 has rivets.



**Mic Position**  
Choose the placement of your virtual microphones. \*Only possible on the TD-20.



**Snare Buzz**  
Add realistic snare drum buzz to give your kits more expression. The amount of buzz\* (the resonance created on the tom and bass drum) can be varied to get just the right effect. \*Adjustment of buzz amount is possible only on the TD-20. \*Only the TD-12 allows buzz to be switched on and off.



## Creativity of V-Drums File No.02

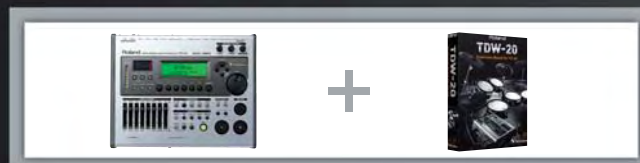
## Expansion Board



Enhanced Playability with New Sounds, Ambience Effects, and Advanced V-Edit for the TD-20

## Expansion Board for TD-20 TDW-20 COSM

Just by installing a TDW-20, the sound source itself is radically upgraded



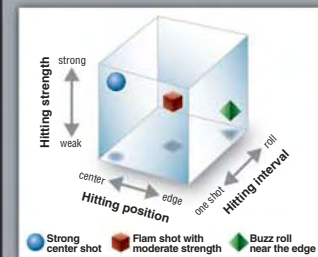
The TDW-20 is an expansion board designed for the TD-20 V-Drum sound module. Just plug it into the expansion bay and, along with new drum sounds and kit expansion, the sound source itself is radically upgraded. The quality of sound and the expressive characteristics are breathtaking.

### Dynamic interval control provides authentic and natural tonal change

One of the TDW-20's outstanding features is its dynamic interval control, which enables smooth and natural tonal change. Every element that gives a different characteristic to your playing, such as stroke intervals in rolls, shot dynamics, flams, and pad strike positions, are instantly detected and simultaneously processed.

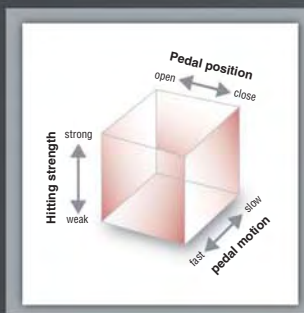
Thanks to its immediate and intelligent response, the TD-20 makes you forget you're playing an electronic kit, and lets you focus on your performance.

#### ■ Dimensions of Expression



### Significantly improved V-Hi-Hat dynamics and pedal response

The excellent articulation of the V-Hi-Hat is another winning feature of the TDW-20. As well as greatly improved hi-hat dynamics and pedal position detection, it delivers a tremendous improvement in pedal response thanks to new pedal-motion detection that facilitates continual sound changes as the hi-hat moves from the closed to half-open positions.



### Get 360 new sounds and 50 kits — a sound palette richer than ever before

In addition to 360 new sounds, the expansion board gives you a huge number of sound variations. Combined with Roland's innovative dynamic interval control technology, the sounds give you the potential to play with more expression than ever before.

#### ■ Amazing sounds on board the TDW-20

Acoustic	From delicate to thunderous, the new acoustic drum sounds let you play with authentic dynamics. As well as popular sounds that span a wide range of recording and live situations, newly added sounds include stacked cymbals, 8-inch tom, and 10-inch snare drum.
Vintage	Faithful simulation of vintage drums that has colored the history of music, including unique and practical sounds.
Processed/Electronic	This set has been strengthened to match the needs of genres that use processed sounds. The electronic sounds come with dynamic pitch bending capabilities for adding distinctive touches to your drumming style.

### Stronger V-Edit capabilities, greater freedom to customize

The TDW-20 upgrade is a substantial step up for the TD-20, which is already renowned for its editing capabilities. In addition to new parameters and enhanced variability, the TDW-20 offers other functions to maximize the expressive capabilities of the TD-20.

#### ■ Mic Position



You can now alter sound as if you are finely adjusting the position of the recording microphones. Making this process incredibly fast and easy is a series of icons that represent different mic positions.

#### ■ Mic Size



Using Mic Size, you can change the size of the microphone used for recording the bass drum. You can select Normal or Large, and freely adjust the low-pass attack.

#### ■ Kit Resonance



When the bass drum is struck, the resonance of the entire drum kit is simulated. This authentically reproduces the tonal interplay of a real kit.

#### ■ Snare Buzz

Snare Buzz realistically conveys snare resonance, the sound added by the snares. The improved dynamics of the natural buzz sound add further to the authentic feel of the kit.

#### ■ Add Sizzle/Sizzle Amount



Three types of sizzle are available for cymbals. As well as Rivet and Chain, you can choose Beads sizzle, all easily editable via graphic icons.

#### ■ Add Sound (Hi-Hat)

Add Sound lets you widen the selection of sounds via graphic icons. To the hi-hat, as well as tambourine, you can add cabasa and cowbell.

#### ■ Add Rim Sound (Snare)

Using Add Rim Sound you can assign tambourine, 909 Claps, or Gate Hit sounds to the rim of the snare. The volume of these sounds is adjustable.

#### ■ Dynamic Pitch Bend



Pitch bend can be changed depending on the dynamics of the shot. This parameter is exclusive to the electronic drum sounds of the TDW-20.

### Enhanced and higher resolution ambience capabilities

The TDW-20 offers fine detail of its high-resolution ambience effects, including 15 new types of rooms. The menu includes Booth, Studio, and other choices optimized for recording, to Concert Hall, Forum, and settings best suited to live performance. Bringing the total to six, three more types of Walls have been added, with adjustable wall-material choices. The onboard stereo effects provide outstanding spatial depth and richness.

#### ■ Room Type



▲Booth ▲Studio ▲Rock Club ▲Sports Arena

The Booth option reduces distant reverberation, making the drums sound as if they are right in front of you. With extremely dense, thick, and high-quality ambience, Studio recreates the properties of a world-class studio. Rock Club provides reverb with a live feel, making drums easy to match with other instruments. The massive reverb and rich propagation of Sports Arena makes you feel like you're in a stadium.

#### ■ Mic Position



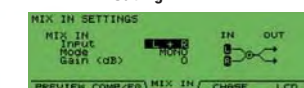
▲Ceiling ▲Mid High ▲Mid ▲Low Floor

There are nine mic-position choices for the virtual ambience microphones. A high-position choice gives greater clarity to the cymbals, while low-position picks up powerful reverberation and gives greater presence to the kit as a whole.

### Improved user interface for ease of use and control

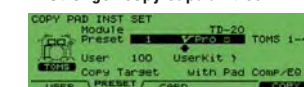
- Instant selective function of the Drum Kit Settings saved on a card, as well as the presets of TDW-20 and TD-20, without preloading.
- Strainer activation and deactivation, switching of effects, and other controls that can be operated by pad switches and footswitches have been added.
- Headphone out can now be used as monitor out.

#### ■ Mix-In routing



It is now possible to change the routing of the Mix Input jacks. If you click on the R sound input channel and backing is input through the L channel, it is possible to monitor both channels in the center.

#### ■ Stronger copy capabilities



In response to requests, the copy capabilities have been enhanced. Now, using Inst Set Copy, you can copy multiple pad settings simultaneously. The compression and EQ settings for each pad can also be copied, plus mixer, ambience, multi-effect, and other settings.



## Percussion Sound Module TD-20

V-EDIT Interval Control Ambience Effect Multi Effects 6 Parts Sequencer 8 Direct Outputs

COSM V-LINK CompactFlash



### The Best Sounds, the Most Expressive Performance

TD-20 is Roland's best-sounding percussion module ever, with over 500 sounds, plus superb dynamic range when used with the PD-125/105 V-Pads and VH-12 V-Hi-Hat®. Superior sensitivity lets drummers play more naturally and without having to adjust their playing technique. Rimshot and bass drum sounds can be varied depending on how they are played, and with Roland's interval control technology, drummers can create more realistic snare rolls and cymbal swells.

### Advanced V-Editing

The modeling-based V-Editing starts from careful analysis of an entirely drum sounds. Drummers are free to change parameters such as cymbal size, type of "sizzle" (e.g. rivets or chain), and microphone position. Several types of kick beaters can also be selected, including felt, wood, and plastic. For the hi-hat, you can also add a tambourine. The TD-20 can even model snare "buzz" (the resonance created on the tom and bass drum) for startling realism.

### Enhanced Performance Features

Eight group faders let drummers adjust the mix balance of the kit's components, while 15 Pad Compressors and EQs make shaping sounds easy. There's also a 6-part sequencer loaded with preset backing patterns and plenty of room for your own, plus onboard effects such as Ambience and a Mastering Room for adding compression and EQ to the overall sound. A choice of 10 analog outputs and a S/PDIF digital output offer plenty of options when mixing live or in the studio. It also has 15 dual trigger inputs, so if you own a standard TD-20S drum kit, you have four extra inputs to add more pads.

### Convenient CompactFlash Storage and More



The CompactFlash slot can be used for storing custom drum kits and sequencer patterns with optional memory cards. An expansion bay located on the underside means there's room for upgrades down the road. The TD-20 also features Roland's V-LINK technology. Using an optional DV-7PR Video Presenter from Edirol, drummers can trigger images or change cameras from the pads or kick.

#### REAR PANEL



#### SPECIFICATIONS

- **Sound Generator** Variable Drum Modeling • **Maximum Polyphony** 64 Voices • **Instruments** Drum Instruments: 560 (1,300,021 variations), Backing Instruments: 262 • **Drum Kits** 50 • **Drum Kit Chains** 16 chains (32 steps per chain) • **Instrument Parameters** V-EDIT (KICK): Shell Depth, Beater Type, Head Type, Head Tuning, Muffling, Snare Buzz, Mic Position, V-EDIT (SNARE): Shell Material, Shell Depth, Head Type, Head Tuning, Muffling, Strainer Adjustment, Mic Position, V-EDIT (TOM): Shell Depth, Head Type, Head Tuning, Muffling, Snare Buzz, Mic Position, V-EDIT (HI-HAT): Cymbal Size, Add Tambourine, Mic Position, Fixed Hi-Hat, V-EDIT (CYMBAL): Cymbal Size, Sizzle Type, Sustain, Mic Position, EDIT: Pitch, Decay
- **Ambience Parameters** Room Type, Room Size, Wall Type, Mic Position, Room Shape • **Mixer Parameters** Volume, Pan, Minimum Volume, Output Assign • **Effect Types** Pad Equalizer (each pad), Pad Compressor (each pad), Multi-Effects: 14 types, Master Compressor, Master Equalizer, Reverb (for backing part), Chorus (for backing part) • **Percussion Sets** 8 • **Sequencer** User Patterns: 100, Preset Patterns: 100, Parts: 6, Play Type: Oneshot, Loop, Tap, Tempo: 20—260, Resolution: 192 ticks per quarter note, Recording Method: Realtime, Maximum Note Storage: approx. 20,000 Notes, Click Instruments: 20 • **Display** 64 x 240 dots (backlit graphic LCD), 7 segments, 3 characters (LED), Trigger Level Indicator (LED) • **Faders** 8 • **Preview Button** • **Connectors** Trigger Input Jack x 15, Hi-Hat Control Jack (for VH-12, VH-7 and FD-8), Master Output Jacks (L/MONO, R), Direct Output Jack x 8, Digital Output Jack (COAXIAL), Headphones Jack (Stereo 1/4 inch phone type), Mix in Jack (Stereo 1/4 inch phone type), MIDI Connectors (IN, OUT/THRU), Foot Switch Jack (1/4 inch TRS phone type), CompactFlash Card Slot, AC Inlet • **Output Impedance** 1.0 k ohms • **Power Supply** AC 117 V, AC 230 V, AC 240 V (50/60 Hz), AC 220 V (60 Hz) • **Power Consumption** 16 W • **Dimensions** 307 (W) x 256 (D) x 105 (H) mm / 12-1/8 (W) x 10-1/8 (D) x 4-3/16 (H) inches • **Weight** 2.9 kg / 6 lbs 7 oz • **Accessories** Owner's Manual, Power Cord

\*The TD-20's file system is developed by Kyoto Software Research, Inc. Kyoto Software Research, Inc. All rights reserved.  

## Percussion Sound Module TD-12

V-EDIT Interval Control Ambience Effect Multi Effects 6 Parts Sequencer 2 Direct Outputs

COSM V-LINK



### Unbeatable Sound

With the same stunning sound quality as the flagship TD-20, the TD-12 drum module provides hundreds of expressive instruments and play-along sequences in a streamlined, affordable package. Many of the sounds in the TD-12, from drums to cymbals, are COSM® modeled for the ultimate in expression and realism. The module provides the same large, icon-based LCD as its big brother (the TD-20), and is housed in a road-tough, metallic black chassis with a friendly array of buttons, controls, and mix sliders. Twelve trigger inputs are provided, plus four audio outputs and MIDI I/O.

### Unrivaled V-Editing

Enjoy the dozens of expert-programmed kits in the TD-12 — from authentic acoustic sets to ultra-modern electronic flavors. But the fun doesn't stop there; customize your snare drum, toms, bass drum, and cymbals with the modeling-based V-Editing. Change sizes and materials, attach sizzles to cymbals, add snare buzz, and more. Then get out your sticks and enjoy! The TD-12 supports positional sensing on the snare and ride, as well as on the toms when you play rimshots. The TD-12 is also brush compatible, and features the authentic Interval Control feature for the snare and ride/crash/china cymbal, which varies the sound in natural ways based on the speed of stroke repetition.

#### REAR PANEL



### Tap Into a New World of Style and Groove

From rich studio kits to bombastic arena monsters, the TD-12 can deliver amazingly authentic drum and percussion sounds. Pop, rock, jazz, hip-hop, you name it — the TD-12 has you covered. But in addition to its acoustic-modeled kits, the TD-12 also offers a crop of edgy, fun, and experimental sets that have been created for unique, modern music creation. With an emphasis on fun, these kits are laced with colorful COSM processing, filter fluctuations, auto-roll effects, tap-sequence patterns, loop patterns, and more. Let the inspiration begin! And if you want to build your chops (or perhaps steal the show), fire off one of the 150 patterns built into the TD-12 and play along.

#### SPECIFICATIONS

- **Sound Generator** Variable Drum Modeling • **Maximum Polyphony** 64 Voices • **Instruments** Drum Instruments: 560 (172,161 variations), Backing Instruments: 262 • **Drum Kits** 50 • **Drum Kit Chains** 16 chains (32 steps per chain) • **Instrument Parameters** V-EDIT (KICK): Shell Depth, Head Type, Head Tuning, Muffling, Snare Buzz, V-EDIT (SNARE): Shell Material, Shell Depth, Head Type, Head Tuning, Muffling, Strainer Adjustment, V-EDIT (TOM): Shell Depth, Head Type, Head Tuning, Muffling, Snare Buzz, V-EDIT (HI-HAT): Cymbal Size, Fixed Hi-Hat, V-EDIT (CYMBAL): Cymbal Size, Sizzle Type, Sustain, EDIT: Pitch, Decay • **Ambience Parameters** Room Type, Room Size, Wall Type, Mic Position, Room Shape • **Mixer Parameters** Volume, Pan, Minimum Volume, Output Assign • **Effect Types** Pad Equalizer (each pad), Pad Compressor (each pad), Multi-Effects: 5 types, Reverb (for backing part) • **Percussion Sets** 8 • **Sequencer** User Patterns: 100, Preset Patterns: 150, Parts: 6, Play Types: Oneshot, Loop, Tap, Tempo: 20—260, Resolution: 192 ticks per quarter note, Recording Method: Realtime, Maximum Note Storage: approx. 20,000 notes, Click Sounds: 20 types • **Metronome Parameters** Time signature, Interval, Volume, Output select (Master and Phones/Phones only) Click Instruments=20 (Voice counting, Click, Cowbell, etc.) • **Tempo** 20—260 • **Display** 64 x 240 dots (backlit graphic LCD), 7 segments, 3 characters (LED), Trigger Indicator (LED) • **Controllers** Faders: 6, Preview Button: 1, Trigger Level Indicator (LED) • **Connectors** Trigger Input Jack x 12, Hi-Hat Control Jack (for VH-12, VH-11 and FD-8), Master Output Jacks (L/MONO, R): 1/4 inch phone type, Direct Output Jacks (1, 2): 1/4 inch phone type, Headphones Jack: Stereo 1/4 inch phone type, Mix in Jack: Stereo 1/4 inch phone type, MIDI Connectors (IN, OUT/THRU), AC Inlet • **Output Impedance** 1.0 k ohms • **Power Supply** AC 115 V, AC 117 V, AC 220 V, AC 230 V, AC 240 V (50/60 Hz) • **Power Consumption** 13 W • **Dimensions** 260 (W) x 248 (D) x 108 (H) mm, 10-1/4 (W) x 9-13/16 (D) x 4-1/4 (H) inches • **Weight** 2.6 kg / 5 lbs 12 oz • **Accessories** Owner's Manual, Power Cord



## Percussion Sound Module TD-9

### Experience the performance power of V-drumming

Over 500 high-quality sounds are built into this impressive sound module. With the ability to customize snare tuning, muffling, cymbal size, sustain, and more, you can create your own personalized drum kits. Another great feature of the TD-9 is its ability to incorporate audio data in its 50 backing songs for realistic and inspiring playback. Enjoy practicing with backing songs sourced from first-class musicians. The Quick Rec/Play function is a great way to gauge your performance; a single button enables recording and playback of playing during minus-one accompaniment.

### Easy-to-use interface with Scope feature

With its clean, friendly panel layout, the TD-9 is a breeze to use at home and onstage. In addition to its illuminated buttons, the stylish front panel contains a large and easily readable LCD that displays sound, tempo, and other vital information. When the Scope function is activated, the LCD graphically shows the timing of your performance. With both visual and aural reference, you can more effectively cultivate and maintain the rudimentary skills essential to drumming.

### Unique features that only V-Drums provide

The TD-9 beautifully conveys the dynamics and nuance of your playing with features such as 3-way triggering on the V-Cymbal ride and support for rim shots on toms and snare. Other features enhance performance, such as the USB connector, which lets you incorporate audio data (wav files) — great for “one-man-band type” performances. You can also use the USB port to save data externally. The TD-9 is equipped with a metronome function and a Mix input to enable practice with songs from CD or digital-audio players. Inputs are also provided for adding pads and triggers\* for a personalized setup.

\*While the TD-9 uses a dedicated pad-input connector cable, there are also separate expansion jacks for two other trigger-input types (CRASH2, AUX).



■ TOP PANEL



■ SIDE PANEL



### ■ SPECIFICATIONS

• **Instruments** Drum Instruments: 522 • **Drum Kits** 50 • **Instrument Parameters** KICK: Head Tuning, Muffling, SNARE: Head Tuning, Muffling, TOM: Head Tuning, Muffling, HI-HAT: Cymbal Size, Fixed Hi-Hat, CYMBAL: Cymbal Size, Sustain, Others: Pitch, Decay • **Effect Types** Ambience (9 Types), 2-Band Equalizer • **Ambience Parameters** Room Type, Room Size, Wall Type, Mic Position, Room Shape • **Mixer Parameters** Volume, Pan • **Percussion Set 1** • **Song** Preset Songs: 50, Parts: 4, Play Functions: One shot, Loop, Repeat, Tempo: 20-300 • **Quick Rec** Resolution: 480 ticks per quarter note, Recording Method: Real-time, Maximum Note Storage: approx. 32,000 Notes • **File Format** Audio File: WAV • **Display** 64 x 128 dots Graphic Type LCD (backlit LCD) • **Connectors** Trigger Input connector (DB-25 type), (Kick, Snare, Tom1, Tom2, Tom3, Hi-Hat, Crash1, Ride, Ride Bell, Hi-Hat Control), Extra Trigger Input Jacks: 2 (CRASH2, AUX) (Stereo 1/4 inch phone type), Output Jacks (L (MONO), R) (Stereo 1/4 inch phone type), Phones Jack (Stereo 1/4 inch phone type), Mix in Jack (stereo miniature phone type), MIDI Connectors (IN, OUT/THRU), USB Connector (for USB Memory) • **Output Impedance** 1.0 k ohms • **Power Supply** AC Adaptor (DC 9 V) • **Current Draw** 500 mA • **Dimensions** 160 (W) x 88.5 (D) x 259.5 (H) mm / 6-5/16 (W) x 3-1/2 (D) x 10-1/4 (H) inches • **Weight** 850 g / 1 lb 14 oz (excluding AC Adaptor) • **Accessories** Owner's Manual, Quick Start Guide, AC Adaptor (PSB-1U), Special Connection Cable, Wing Bolt (M5 x 10) x 2, Sound Module Mounting Plate

## Percussion Sound Module TD-4

### Custom Controls

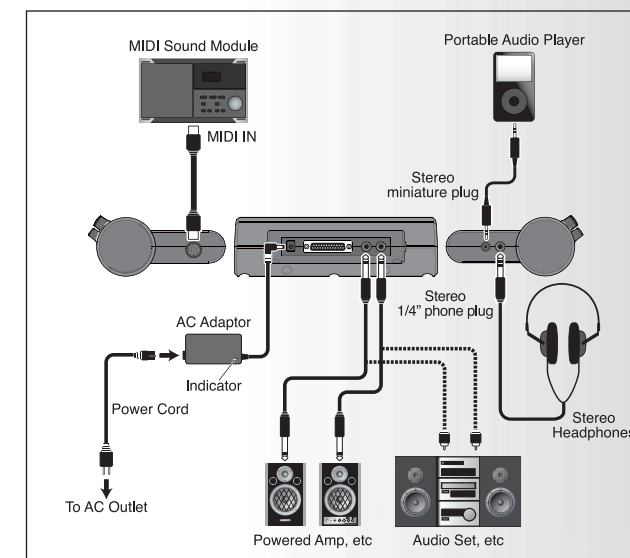
Drum sounds onboard the TD-4 can be customized to suit your personal style. Just like with a real acoustic drum set, the TD-4's kick, snare, and toms can be tuned up or down quickly across a wide range. The amount of muffling can be user-customized as well, from '70s-style choked funk to open-cannon stadium rock.

### Coach Mode

The TD-4 is equipped with Roland's acclaimed Coach Mode, which helps you build speed, stamina, and accuracy. Five skill-building exercises are onboard, including the new Warm Ups that let you practice different exercises consecutively for 5, 10, or 15 minutes. The new Tempo Check also helps you keep consistent time by lowering the metronome volume when you are playing accurately, and raising the click volume when you are playing out of time.

### Quick REC

The TD-4's "Quick REC" feature lets you immediately record and play back your performance. It's a great tool for listening objectively to what you've played, and charting your progress. And don't forget the TD-4's built-in metronome for keeping yourself in perfect time.



■ REAR PANEL



D-Sub connector OUTPUT

■ SIDE PANEL



MIDI OUT



MIX IN PHONES

### ■ SPECIFICATIONS

• **Drum Instruments** 125 • **Drum Kits** 25 • **Instrument Parameters** KICK, SNARE, TOM, PERC: Tuning, Muffling • **Mixer Parameters** Pad Volume, Pan, Kit Volume, Cross Stick Volume • **Ambience Types** 9 • **Coach Mode** Warm Ups, Time Check, Tempo Check, Quiet Count, Auto Up/Down • **Quick Rec** Resolution: 96 ticks per quarter note, Recording Method: Real-time, Maximum Note Storage: approx. 9,000 Notes • **Display** Custom (backlit LCD) • **Connectors** Trigger Input connector (DB-25 type), (Kick, Snare, Tom1, Tom2, Tom3, Hi-Hat, Crash1, Crash2, Ride, Hi-Hat Control), Output Jacks (L (MONO), R) (Stereo 1/4 inch phone type), Phones Jack (Stereo 1/4 inch phone type), Mix in Jack (stereo miniature phone type), MIDI OUT Connector • **Output Impedance** 1.0 k  $\Omega$  • **Power Supply** AC Adaptor (DC 9 V) • **Current Draw** 500 mA • **Dimensions** 224.0 (W) x 151.1 (D) x 65.1 (H) mm / 8-7/8 (W) x 6 (D) x 2-9/16 (H) inches • **Weight** 477 g / 1 lb 1 oz (excluding AC Adaptor) • **Accessories** Owner's Manual, AC Adaptor (PSB-1U), Special Connection Cable, Wing Bolt (M5 x 10) x 2, Sound Module Mounting Plate • **Options** Pads (PD-8, PDX-8, PD-85, PD-105, PD-125), Cymbals (CY-5, CY-8, CY-12R/C, CY-14C, CY-15R), Kick Triggers (KD-8, KD-85, KD-120), Hi-Hats (VH-11), Hi-Hat Control Pedal (FD-8), Stand (MDS-4), Cymbal Mount (MDY-10U), Pad Mount (MDH-10U), Acoustic Drum Trigger (RT-10K, RT-10S, RT-10T), Personal Drum Monitor: PM-10, PM-30, V-Drums Accessory Package: DAP-3, V-Drums Mat (TDM-20/TDM-10)



Which V-Drums Sound Module is Best For You?

Percussion Sound Module **TD-4**

- Coach
- Quick Rec
- Ambience Effect



Drum Instruments	125
Drum Kits	25
Preset Songs	X
Trigger Input	11
V-EDIT	X
Practice Functions	Coach (Variations: 5)
Interval Control	X
Metronome Sound	8
Group Faders	X
Digital Out	X
V-Hi-Hat Compatibility	VH-11 (Option)
Multi-Effects	X
Quick Rec	○
Data Save	Internal



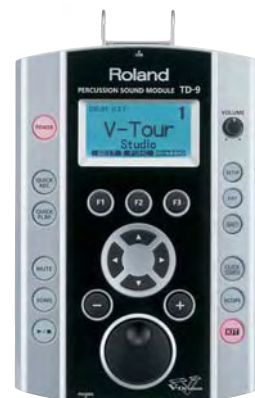
**V-Compact Series TD-4S**

Percussion Sound Module	TD-4	X	1
V-Pad (for Snare)	PDX-8	X	1
Dual-Trigger Pad	PD-8*	X	3
Dual-Trigger Cymbal Pad	CY-8	X	2
Dual-Trigger Cymbal Pad	CY-5	X	1
Kick Trigger Pad	KD-8	X	1
Hi-Hat Control Pedal	FD-8	X	1
Drum Stand	MDS-4	X	1

\*PD-8 is used as a single trigger pad for the TD-4.

Percussion Sound Module **TD-9**

- Quick Rec/Play
- Scope
- Ambience Effect
- USB



Drum Instruments	522
Drum Kits	50
Preset Songs	50
Trigger Input	8+2
V-EDIT	X
Practice Functions	Scope
Interval Control	X
Metronome Sound	15
Group Faders	X
Digital Out	X
V-Hi-Hat Compatibility	VH-11 (Option)
Multi-Effects	X
Quick Rec	○
Data Save	USB Memory



**V-Tour Series TD-9SX**

Percussion Sound Module	TD-9	X	1
V-Pad (for Snare)	PD-105BK	X	1
V-Pad	PD-85BK	X	3
V-Cymbal Ride/Crash	CY-12R/C	X	1
Dual-Trigger Cymbal Pad	CY-8	X	1
Dual-Trigger Cymbal Pad	CY-5	X	1
Kick Trigger Pad	KD-8	X	1
Hi-Hat Control Pedal	FD-8	X	1
Drum Stand	MDS-9	X	1



**V-Tour Series TD-9S**

Percussion Sound Module	TD-9	X	1
V-Pad (for Snare)	PDX-8	X	1
Dual-Trigger Pad	PD-8	X	3
Dual-Trigger Cymbal Pad	CY-8	X	2
Dual-Trigger Cymbal Pad	CY-5	X	1
Kick Trigger Pad	KD-8	X	1
Hi-Hat Control Pedal	FD-8	X	1
Drum Stand	MDS-9	X	1

Percussion Sound Module **TD-12**

- V-EDIT
- Interval Control
- Ambience Effect
- Multi Effects
- 6 Parts Sequencer
- 2 Direct Outputs



Drum Instruments	560
Drum Kits	50
Preset Songs	150
Trigger Input	12
V-EDIT	○
Practice Functions	X
Interval Control	○
Metronome Sound	20
Group Faders	6
Digital Out	X
V-Hi-Hat Compatibility	VH-12/11
Multi-Effects	5
Quick Rec	X
Data Save	MIDI



**V-Stage Series TD-12SV-BK**

Percussion Sound Module	TD-12	X	1
V-Pad (for Snare)	PD-105BK	X	1
V-Pad	PD-85BK	X	3
V-Hi-Hat	VH-11	X	1
V-Cymbal Ride/Crash	CY-12R/C	X	3
V-Kick Trigger Pad	KD-85BK	X	1
Drum Stand	MDS-12BK	X	1



**V-Stage Series TD-12SV-WH**

Percussion Sound Module	TD-12	X	1
V-Pad (for Snare)	PD-105WT	X	1
V-Pad	PD-85WT	X	3
V-Hi-Hat	VH-11	X	1
V-Cymbal Ride/Crash	CY-12R/C	X	3
V-Kick Trigger Pad	KD-85WT	X	1
Drum Stand	MDS-12BK	X	1

Percussion Sound Module **TD-20**

- V-EDIT
- Interval Control
- Ambience Effect
- Multi Effects
- 6 Parts Sequencer
- 8 Direct Outputs



Drum Instruments	560
Drum Kits	50
Preset Songs	100
Trigger Input	15
V-EDIT	⊙
Practice Functions	X
Interval Control	○
Metronome Sound	20
Group Faders	8
Digital Out	○
V-Hi-Hat Compatibility	VH-12/11
Multi-Effects	14
Quick Rec	X
Data Save	CF/MIDI



**V-Pro Series TD-20S-BK**

Percussion Sound Module	TD-20	X	1
V-Pad	PD-125BK	X	3
V-Pad	PD-105BK	X	2
V-Hi-Hat	VH-12	X	1
V-Cymbal Crash	CY-14C	X	2
V-Cymbal Ride	CY-15R	X	1
V-Kick Trigger Pad	KD-120BK	X	1
Drum Stand	MDS-20BK	X	1



**V-Pro Series TD-20S-WH**

Percussion Sound Module	TD-20	X	1
V-Pad	PD-125WT	X	3
V-Pad	PD-105WT	X	2
V-Hi-Hat	VH-12	X	1
V-Cymbal Crash	CY-14C	X	2
V-Cymbal Ride	CY-15R	X	1
V-Kick Trigger Pad	KD-120WT	X	1
Drum Stand	MDS-20BK	X	1



V-Pad **PD-125BK / PD-125WT**



V-Pad **PD-105BK / PD-105WT**



**Our Most Sensitive V-Pads Ever!**

How do you improve upon the world's most popular electronic percussion pads? Start by designing a sensor mechanism for more accurate triggering, and then give 'em a cool black or white finish! The 12-inch PD-125BK/PD-125WT and 10-inch PD-105BK/PD-105WT mesh V-Pads

both feature Roland's latest dual-triggering technology, resulting in more even and accurate sensing between the head and rim. They are also the first V-Pads with rimshot capabilities on the toms — including the actual "rim click" SOUND\*. \*Rim triggering on toms requires TD-20, TD-12 or TD-9 Percussion Sound Module.

V-Pad **PD-85BK / PD-85WT**



**Rimshot-Ready Mesh Pads**

The 8" dual-zone V-Pads feature Roland's latest dual-triggering technology, resulting in more consistent and accurate sensing between the head and rim. Built tank-tough and ready to take a pounding, these pads are available in black or white finishes with chrome brackets. When used as tom-toms for the TD-20 and TD-12 sound modules, the pads let you play rimshots, and the sound will change depending on the strength of your stroke.

V-Pad **PDX-8**

**Improved V-Pad for Snare**

Roland's mesh V-Pad (PDX-8) offers an expanded 10-inch rim and wider playing area. It separates head and rim triggering for authentic performance.



Dual-Trigger Pad **PD-8**

**The Rock-Solid, Fast-Action Pad**

This durable 8.5 inch rubber pad offers super-accurate triggering and a time-tested design for years of reliable use. The PD-8's dual-trigger capabilities make it perfect for triggering rimshots on the toms or bow/edge sounds on the hi-hat when used with the Roland TD-series percussion modules\*.



\*The TD-4 does not support rim triggering on the toms.

Mesh Replacement Heads **MH-12/10/8**

**Patented V-Drums Mesh Heads**

These replacement mesh heads (developed in partnership with REMO® USA) are designed to perfectly fit Roland's full range of V-Pads. \*Available as replacement parts.



**Roland V-Drums Innovation File No.03**  
**V-Pad & V-Kick Trigger Pad**

Roland proudly offers the best-feeling drum pads in the business. Experience the comfortable feel of our patented mesh-head pads, and enjoy the realism and quiet action that these pads provide. For the utmost in personalization, the head of each pad can be tensioned to your taste, just like real drums. And speaking of quiet comfort, the V-Pads' rims are rubber-coated to keep rimshots as quiet as the mesh.

**What is a mesh head?**

Mesh drum pads have the distinct advantage of being quiet and realistic in feel. The secret is the material, woven from special fabric. This material is very durable, and provides a remarkably natural touch, just like an acoustic drum head. Now you can practice in silence without ever having to worry about sore wrists.



V-Kick Trigger Pad **KD-120BK / KD-120WT**

**Natural Triggering with Double Pedal Support**

Roland's time-tested KD-120 V-Kick Trigger Pad, is available in black or white finishes to complement the rest of the pads. The 12" V-Kick Trigger Pad offers fast, natural kick-drum triggering, and is compatible with double-bass pedals (sold separately).



V-Kick Trigger Pad **KD-85BK / KD-85WT**

**A Rock-Solid Foundation**

Sink your beater into this solid, great-feeling mesh kick pad — available in black or white finishes. It offers improved pad cushioning for a better feel, and can accommodate double bass pedals (sold separately). Torture-tested for quality assurance, this pad has the stamina and stability to handle the toughest poundings.



Kick Trigger Pad **KD-8**

**Slim-Line Pedal that Feels Great**

The KD-8 Kick Trigger Pad's sturdy, vertical design gives drummers a better feel and solid, accurate triggering. The upright KD-8 can even accommodate double bass pedals (sold separately) — perfect for drummers who want to create complex rhythms. A convenient folding front leg makes transportation easy.



Kick Trigger **KD-7**

**Responsive Kick Triggering for Any Percussion Setup**

This velocity-sensitive kick drum trigger can be used with a standard kick drum pedal. It features a mix input for chaining two KD-7's together for a double-bass setup, and comes with a beater and connection cable (kick drum pedal not included). The KD-7 is the ideal kick trigger for use with the HPD-15/HPD-10.



Hi-Hat Control Pedal **FD-8**

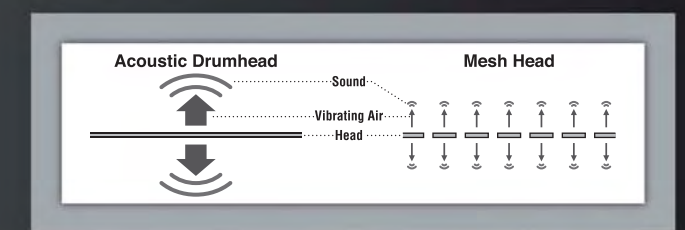
**Perfect for Compact Kits and Roland Percussion Pads**

Thanks to Roland's FD-8 Hi-Hat Controller, drummers can get realistic hi-hat sounds with smooth transitions between open and closed. The updated look makes the FD-8 fit perfectly with the striking look of the V-Tour® and V-Compact® Series.



**How it works**

When an acoustic drumhead is struck, the surrounding air vibrates and a sound is produced. The harder it is struck, the more the head moves and the larger the sound. With Roland's patented mesh head (multi-layered for superior feel and strength), the air is released from the gaps in the mesh fabric, so the surrounding air does not vibrate. This is what makes a mesh head so quiet.





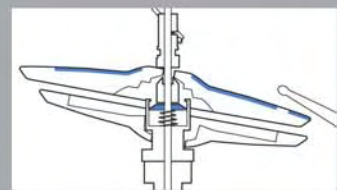
Roland V-Drums Innovation File No.04

V-Hi-Hat

Advanced Sensor Technology for Ultimate Realism

In creating the world's finest modeled hi-hat, Roland embarked upon a time-intensive mission to create a virtual hi-hat that would perform like the real thing. The winning formula features three different types of sensors on the top of the cymbal's bow, the edge, and in the center of the bottom cymbal where it detects the foot pedal movements. Sophisticated triggering data, such as the distance between the top and bottom cymbals, are detected by having the three sensors working perfectly in sync. The end result is amazing playability and realism, with the same nuances and tonal coloration of an acoustic hi-hat.

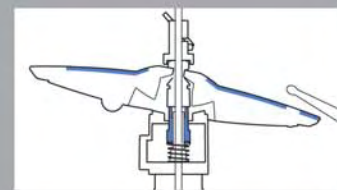
■ VH-12 Sensors [highlighted in blue]



VH-12 Technology in a Compact, One-Piece Format

Derived from the groundbreaking VH-12 hi-hat, Roland's VH-11 combines two hi-hat cymbals into one with an ingenious one-piece floating design. Amazingly, it performs like a real hat, and provides a realistic up/down pedaled response thanks to the stationary base mounted below the cymbal pad. With the combination of two sensors on the bow and edge, plus a motion sensor unit mounted in the center, subtle nuances (including foot movement) can be achieved. The one-piece design makes for easy setup on conventional hi-hat stands.

■ VH-11 Sensors [highlighted in blue]



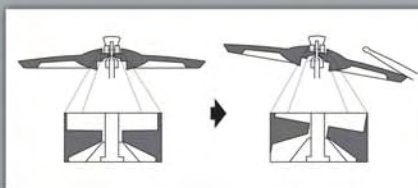
Roland V-Drums Innovation File No.05

V-Cymbal

Quest For the Perfect V-Cymbal

Developing the ultimate electronic cymbal required the Roland design to create numerous prototypes comprised of a wide range of materials. After extensive research, the team arrived at the perfect combination of internal and exterior materials that are durable and can properly simulate the resistance and swing amount that drummer's feel when an acoustic cymbal is struck.

■ Swing Mechanism of V-Cymbals



The Technology Within

What may look like a simple rubber/plastic disc is actually a sophisticated slice of cutting-edge technology. Inside the V-Cymbal's bell and edge is a thin film-like sensor that lies beneath the rubber playing surface. The sensors detect sticking position, velocity, and edge pressure (for cymbal choking). This complex detection and calculation happens instantly, providing drummers with a realistic and accurate playing experience. A small but important Roland design principle is that the cymbals are not completely round, which minimizes vibration that can cause mis-triggering.

■ V-Cymbal Explained (CY-15R)



Ultra-sensitive sheet-like sensors (shown in blue) are located beneath the bell and the edge. Under the bow area is a sensor for detecting the strength and location of the impact.

\* V-Cymbal Technology for use under one or more of U.S. Pat. Nos. 6,632,989 / 6,881,885 U.S. Patent Pending

V-Hi-Hat VH-12



The First Electronic Hi-Hat, Designed Like an Acoustic

Wow! That's what you'll say once you try the VH-12 V-Hi-Hat. This breakthrough electronic hi-hat is designed to precisely model the look and feel of its acoustic counterpart. So much so, it mounts on an acoustic hi-hat stand! The VH-12 uses top and bottom cymbals with full motion capability for ultra-natural stick/pedal work, and is designed to

work with the TD-20/12's enhanced dynamics. The dual-trigger VH-12 creates smooth hi-hat sounds from open to closed — including the half-open position — with all of its delicate nuances. By applying pressure to the pedal (even after closing), you can vary the pitch and decay for playing fast and tight articulations.

V-Hi-Hat VH-11



Realistic Feel, Streamlined Design

With eyes closed, drummers will think they're playing a regular two-piece hi-hat. But examine the innovative VH-11 floating hi-hat, and you'll see that it's actually comprised of one floating cymbal pad atop a fixed lower base. Great for fast setup and easy transport, the VH-11 mounts on conventional hi-hat stands, and provides a similar playing feel to a 2-piece hi-hat. The VH-11 is fully compatible with Roland's TD-20, TD-12, TD-9, and can be used with the TD-10 w/TDW-1, TD-8, TD-6V, TD-6, and TD-4.





V-Cymbal Ride **CY-15R**

**Natural, Three-Way Triggering and Swinging Motion**

The CY-15R V-Cymbals Ride is a 15-inch cymbal that offers natural swinging movement and ultra-dynamic three-way triggering (edge/bow/bell) when used with the TD-20, TD-12, and TD-9, making this the most expressive electronic cymbal ever designed. With edge/bow or bow/bell output jacks, this cymbal can be used as a ride cymbal or large crash cymbal, expanding the possibilities of any Roland drum system.



V-Cymbal Crash **CY-14C**

**This Crash Cymbal Really Swings!**

The CY-14C V-Cymbals Crash is a 14-inch crash cymbal featuring the same dimensions and natural movement of an acoustic cymbal. A dual-trigger system with individual sensors for the edge and bow gives you more dynamic response, allowing for expressive cymbal “chokes.” Concentrated mass around the rim ensures uniform sensing whenever the cymbal is struck.



V-Cymbal Ride / Crash **CY-12R/C**

**Compact, Triple-Trigger Cymbal**

This 12-inch electronic cymbal brings breakthrough V-Cymbal technology to a very affordable price point. This expressive 3-way trigger\* cymbal offers the natural rebound, inertia, and natural “swinging” motion of an acoustic cymbal, plus cymbal choke capabilities. Use it as crash or a compact ride cymbal. \*3-way triggering is capable when used with the TD-20, TD-12, TD-9, and TD-4 sound module.



Dual-Trigger Cymbal Pad **CY-8**



**Dual-Trigger Cymbal with Choke Control**

Sporting a refined look that more closely resembles an acoustic cymbal, the CY-8 Dual-Trigger Cymbal Pad offers precise and accurate triggering for both crash and ride purposes — complete with natural “swinging” motion and cymbal “choke” capability.

Dual-Trigger Cymbal Pad **CY-5**



**Improved Cymbal Pad for Hi-Hat or Splash**

The cymbal pad (CY-5) features a 10-inch playing zone and swing movement for more drummer-friendly triggering. The pad also provides separate bow and edge triggering. The CY-5 can be also used as an additional cymbal pad, such as a splash, on V-Drums kits.

■ V-Cymbal

	Size	Trigger (playing area)	Choke	Position Sensing
CY-15R	15"	Bell / Bow / Edge*2	○	○**
CY-14C	14"	Bow / Edge	○	×
CY-12R/C	12"	Bell / Bow / Edge*2	○	○**
CY-8	12"	Bow / Edge	○	×
CY-5	10"	Bow / Edge	○	×

\*1 Possible when use with the TD-20/12. \*2 Possible when use with the TD-20/12/9/4.

Drum Stand **MDS-20BK**



**Ergonomic Design and Striking Looks**

Roland's MDS-20BK Drum Stand offers a stylish curved look that keeps everything within reach. All cabling is hidden neatly inside the tubing, and the hardware is extremely durable, thanks to aluminum T-fittings. The raked design is perfect for mounting additional pads, such as VH-12 V-Hi-Hat® or SPD-S using optional stands. And changing the height is quick and easy; vertical adjustments with quick-release cam levers are provided on each of the stand's legs and the two cymbal stands, allowing the tiers to remain in place.

Drum Stand **MDS-12BK**



**Solid, Stylish Drum Stand**

Mount your V-Drums® in style and stability with the MDS-12BK. Featuring Roland's sturdiest grip clamps, this rock-solid rack let's you play with confidence, knowing that your drum and cymbal pads will remain locked in position. For a clean appearance and quick setup, the cabling can be concealed inside the pipes. The MDS-12BK's open-leg design makes hi-hat placement more convenient, and its wide design lets you to easily expand your kit with additional drum, cymbal, and percussion pads. Optional PM-30 Satellite speakers can be mounted on the center poles without the need for boom clamps (speaker bases are required).

Drum Stand **MDS-9**

**Convenient and Stable Drum Stand**

The new MDS-9 drum rack offers a sturdy four-leg design with new, improved ball-clamp snare and cymbal mounts for fast, flexible component placement.



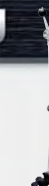
Drum Stand **MDS-4**

**Custom Stand for TD-4S**

Sturdy and lightweight, the MDS-4 keeps V-Pads, V-Cymbals, and the TD-4 securely in place during performance. It also accommodates double-kick pedals.



Cymbal Mount **MDY-10U**



Pad Mount **MDH-10U**



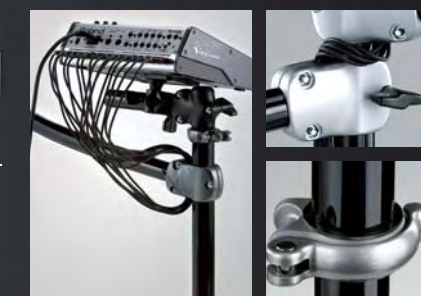
The MDY-10U is a flexible, sturdy cymbal mount for V-Cymbal Pads or a BOSS DB-90 metronome. Its foldable design makes set up and teardown a snap. The MDH-10U is a rock-solid pad mount that's also friendly for setup and teardown. It holds V-Pads and Trigger Pads.

Roland V-Drums Innovation File No.06

**Drum Stand**

**Solid, Stylish Stands With Simple Set-Up**

Form and function unite in Roland's tough, attractive MDS-series drum stands. Adding to the sleek, clean appearance are concealed cables inside the tubes of the MDS-20BK and MDS-12BK. Both stands are constructed of sturdy steel pipes. The MDS-20BK features a quick-release cam lever to adjust height. The more affordable MDS-4 can also use the MDY-10U cymbal mount and MDH-10U pad mount to expand your setup.





## Personal Monitor Advanced Amplification for V-Drums® **PM-30**



### Advanced Amplification for V-Drums

The PM-30 is a 2.1-channel advanced speaker system. With 200 watts of Class-D power, a high-performance 12" woofer with tweeter, a pair of 4" satellite speakers, and a proprietary DSP engine, the PM-30 delivers powerful, full-range sound in a convenient and portable package. The selectable Full-Range and Subwoofer modes let you customize low-frequency performance, while the built-in 3-band EQ lets you fine-tune the tone. A solid crossbar spans the top of the base unit for convenient carrying. The satellite speakers can be clamped onto the crossbar or mounted onto a drum rack.

#### ■ SPECIFICATIONS

• **Rated Power Output** 200 W (Main Unit 100 W + Satellite Speaker 50 W x 2) • **Nominal Input Level (1 kHz)** INPUT Channel 1 (V-DRUMS): -10 thru +4 dBu, (LINE IN): -20 thru +4 dBu, Channel 2 (LINE IN): -10 thru +4 dBu, Channel 3 (LINE IN): -10 thru +4 dBu • **Nominal Output Level** LINE OUT: +4 dBu, SPEAKER OUT: 50 W/4 ohms • **Speakers** Main Unit: 30 cm (12 inches) x 1 (Woofer), 7.7 cm (3 inches) x 1 (Tweeter), Satellite Speaker: 10 cm (4 inches) x 2 (Full Range) • **Controls** <V-DRUMS/Channel1> PUNCH Switch, Volume Knob <Channel2> VOLUME Knob <Channel3> VOLUME Knob, <Woofer Control> Mode Select Switch, Volume Knob, <MASTER> BASS Knob (Equalizer), MIDDLE knob (Equalizer), TREBLE knob (Equalizer), VOLUME Knob, POWER Switch • **Indicator** POWER • **Connectors** Main Unit: <V-DRUMS/Channel1> V-DRUMS INPUT Jack (stereo 1/4" phone type), LINE IN Jack (1/4" phone type) <Channel2> LINE IN Jack (1/4" phone type) <Channel3> LINE IN Jack (1/4" phone type / RCA PIN type), LINE OUT Jack (1/4" phone type), SPEAKER OUT Jack (1/4" phone type), PHONES Jack (stereo 1/4" phone type), Satellite Speaker: INPUT Jack (1/4" phone type) • **Power Supply** AC 117 V, AC 230 V, AC 240 V (50/60 Hz), AC 220 V (60 Hz) • **Power Consumption** 63 W • **Dimensions** Main Unit: 451 (W) x 482 (D) x 482 (H) mm / 17-13/16 (W) x 19 (D) x 19 (H) inches (Excluding casters), 451 (W) x 482 (D) x 533 (H) mm / 17-13/16 (W) x 19 (D) x 21 (H) inches (including casters), Satellite Speaker: 152 (W) x 158 (D) x 209 (H) mm / 6 (W) x 6-1/4 (D) x 8-1/4 (H) inches • **Weight** Main Unit: 24.3kg / 53 lbs 10 oz (Excluding casters), 25.0 kg / 55 lbs 2 oz (including casters), Satellite Speaker: 2.2 kg / 4 lbs 14 oz (for each) • **Accessories** Mount Bar x 2, Clamp x 2, Speaker Cable (3.5 m) x 2, Caster x 4, Owner's Manual \* 0 dBu = 0.775 Vrms



## Personal Monitor for V-Drums **PM-10**



### Solid, Portable Sound Reinforcement

Designed as a portable companion for Roland's V-Drums, the PM-10 is equipped with a 30-watt amplifier and a 10" 2-way coaxial speaker. Its compact design is perfect for small-sized drum kits, such as the TD-4S, and the TD-9SX/TD-9S. Jam along with your favorite songs by connecting an external CD or MP3 player to the Line In jack. Balance the V-Drums and the external audio with the dedicated volume controls; adjust the tone with the built-in 2-band EQ.

#### ■ SPECIFICATIONS

• **Rated Power Output** 30W • **Nominal Input Level/Impedance** V-DRUMS Input: 0dBu/20k ohms, LINE Input 0dBu/20k ohms • **Speakers** 10" (250 mm) Woofer + 3" (77 mm) Tweeter (Coaxial, 2-way) • **Enclosure** Bass-reflex type • **Controls** V-DRUMS Volume Knob, LINE Volume Knob, BASS Knob, TREBLE Knob, POWER SW • **Indicator** POWER • **Connectors** V-DRUMS Input Jack (Stereo 1/4" phone type) LINE Input Jack (Stereo 1/4" phone type) • **Power Supply** AC 117 V, AC 230 V, AC 240 V (50/60 Hz) • **Power Consumption** 36W • **Dimensions** 364 (W) x 396 (D) x 352 (H) mm / 14-3/8 (W) x 15-5/8 (D) x 13-7/8 (H) inches • **Weight** 12 kg / 26 lbs 8 oz • **Accessories** Owner's Manual Power Cord \* 0 dBu = 0.775 Vrms



# Headphones

## High-quality headphones faithfully reproduce the powerful, dynamic sound of V-Drums.

### Stereo Headphones **RH-300**

Roland's top-of-the-line headphones for the ultimate in sound quality, appearance, and performance. The 45mm (1-13/16") drivers and neodymium magnets deliver dynamic, full-range performance. The snug fit shuts out external sound.



### Stereo Headphones **RH-D30**

Optimized for high-impact onstage performance, RH-D30 headphones are light and comfortable with superior isolation, powerful and clear sound, and a super-wide frequency range. Other features include high-capacity 45mm (1-13/16") drivers and 180-degree rotating earpieces (90-degrees transverse). Carrying pouch included.



### Open-Air Headphones **RH-A30**

Roland's new open-air-type headphones are made for musicians who don't want total isolation from surrounding sounds. For maximum comfort during extended sessions, the RH-A30's ear pads have been newly designed.



### Stereo Headphones **RH-200 / RH-200S**

With 40mm (1-5/8") drivers, the RH-200/RH-200S headphones offer the clarity, sonic accuracy, and comfort needed for mixing and silent practice. They also feature a gold-plated 1/8-inch stereo connector with 1/4" adapter.



### Stereo Headphones **RH-D20**

Similar in design to the RH-D30, the RH-D20 has 40mm (1-5/8") drivers. Lightweight and comfortable for extended wearing, the RH-D20 provides superior sound isolation, balanced sound across the frequency spectrum, and 180-degree rotating earpieces for single-ear monitoring (90-degrees transverse). Carrying pouch included.



### Roland Inner Ear Headphones **RH-iE3**

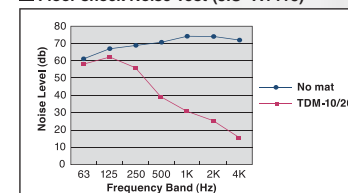
These attractive in-ear headphones feature aluminum housings, gold-plated plugs, and advanced drivers for a balanced, full-range sound with deeper bass and extended frequency performance. Longer shaft arms ensure easy mounting and detaching.



## V-Drums Mat **TDM-20 / TDM-10**



#### ■ Floor shock Noise Test (JIS\* A1418)



\*JIS: Japanese Industrial Standards

Prevent your drum components from slipping while simultaneously safeguarding your floor from scratches and reducing impact noise/vibration. Roland's TDM-10 and TDM-20 heavy-duty drum mat is adorned with the Roland V-Drums logo. The mat is available in medium and large sizes.



#### ■ SPECIFICATIONS

(TDM-20) • **Dimensions** 1,600 (W) x 1,500 (D) x 8 (H) mm / 63 (W) x 59-1/16 (D) x 0-3/8 (H) inches • **Weight** 3.0 kg / 6 lbs. 10 oz.  
(TDM-10) • **Dimensions** 1,200 (W) x 1,300 (D) x 8 (H) mm / 47-1/4 (W) x 51-3/16 (D) x 0-3/8 (H) inches • **Weight** 2.1 kg / 4 lbs. 11 oz.

## V-Drums Accessory Package **DAP-3 / DAP-1**

### Essential Accessories for V-Drummers

This handy drum accessory package is ideal for entry-level V-Drums owners, allowing them to start playing their V-Drums right out of the box.

#### DAP-3 Components

- Kick Pedal
- Drum Throne
- Drum Sticks



#### DAP-1 Components

- Drum Throne
- Drum Sticks
- Audio Cable  
Mini plug, Cable length: 375 mm / 14-13/16"
- In-ear headphones



#### ■ OPTIONS

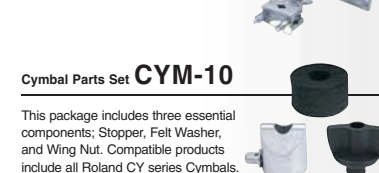
##### Pad Stand **PDS-10**

Height: 643 - 1,093mm / 25-3/8 inches  
Weight: 3.8kg / 8 lbs 7 oz



##### All Purpose Clamp **APC-33**

This clamp can be used to attach an SPD-series percussion pad to a conventional cymbal stand for use with a V-Drums or acoustic drum kit.



##### Cymbal Parts Set **CYM-10**

This package includes three essential components; Stopper, Felt Washer, and Wing Nut. Compatible products include all Roland CY series Cymbals.



##### Mounting Plate **MDP-7**

The MDP-7 is the mounting plate for TD-series sound modules such as the TD-3, TD-12, and TD-20 when customers want to attach the sound module to the new MDS-9.



##### Pedal Switch **DP-2**



##### FootSwitch **FS-5U / FS-6**

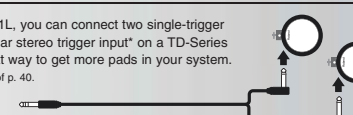


These rugged footswitches can be used for changing patches, start/stop, tempo, or other parameters. They can be used with the TD-20/10/8, SPD-series, and HandSonic.

##### Connection Cable **PCS-31L**

Using the PCS-31L, you can connect two single-trigger pads to a particular stereo trigger input\* on a TD-Series module — a great way to get more pads in your system.

\*Please refer to (\*6) of p. 40.



##### AC Adaptor **PSA-120S**

The new and improved PSA-120S power adaptor features increased output of 500mA, extended length of 3m (118-1/8"), lighter weight at 140g (5 oz), and a body that's extra slim. It's also equipped with a power indicator.



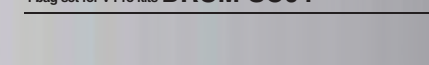
##### Case and bag set for the TD-3SW, TD-4S, and the TD-9S/SX kits

##### **DRUM-SC01**

\*Not all bags pictured.



##### 4-bag set for V-Pro kits **DRUM-SC04**





## RT-10 Series Acoustic Drum Trigger

### Triggers for Kick, Snare, and Toms

With acoustic-drum triggering more popular now than ever, Roland has responded to requests from the market and created these triggers: the RT-10K (for kick drums), RT-10S (for snare drums), and RT-10T (for toms). Physically smaller than their predecessors, the RT-10 series triggers are easier to position. Best of all, they feature trigger-sensing technology for improved response.



#### RT-10K (Kick Trigger)

• **Trigger:** 1 (Head) • **Connector:** Trigger Output Jack (1/4 inch Phone Type) • **Dimensions:** approx. 40 (W) x 110 (D) x 70 (H) mm / 1-5/8 (W) x 4-3/8 (D) x 2-13/16 (H) inches • **Weight:** 90 g / 4 oz • **Accessories:** Connection Cable • **Guide for Installation:** Rim Height: 30 to 36 mm / 1-3/16 to 1-7/16 inch, Rim Thickness (Max.): 13 mm / 9/16 inch



#### RT-10S (Snare Trigger)

• **Triggers:** 2 (Head, Rim) • **Connector:** Trigger Output Jack (Stereo 1/4 inch Phone Type) • **Dimensions:** approx. 40 (W) x 110 (D) x 50 (H) mm / approx. 1-5/8 (W) x 4-3/8 (D) x 2 (H) inches • **Weight:** 80 g / 3 oz • **Accessories:** Connection Cable • **Guide for Installation:** Rim Height: 11 to 15 mm / 7/16 to 5/8 inch



#### RT-10T (Tom Trigger)

• **Triggers:** 1 (Head) • **Connector:** Trigger Output Jack (1/4 inch Phone Type) • **Dimensions:** approx. 40 (W) x 110 (D) x 50 (H) mm / 1-5/8 (W) x 4-3/8 (D) x 2 (H) inches • **Weight:** 80 g / 3 oz • **Accessories:** Connection Cable • **Guide for Installation:** Rim Height: 11 to 15 mm / 7/16 to 5/8 inch



Supported Sound Modules: TD-20, TD-12, TD-9, TD-3, TD-4, SPD-20, SPD-S

\* If you need dual triggering for head and rim on toms, please use the RT-10S instead of the RT-10T.  
\* Regarding the sound module with dual trigger compatible input, please refer to "Sound Module and Drum Pad Combinations" on the page 40 - 41 of this catalog.

## TMC-6 Trigger MIDI Converter

### Play MIDI Modules From an Acoustic Set!

The TMC-6 Trigger MIDI Converter makes it easy to play and trigger MIDI modules and samplers from an acoustic drum set, or expand the sound palette of electronic drum sets. This affordable device uses accurate and reliable V-Drums triggering technology, allowing acoustic drummers to "play" electronic sounds from their favorite MIDI module, or for V-Drums owners to expand their trigger inputs.



### Works Great with the RT/TD-Series

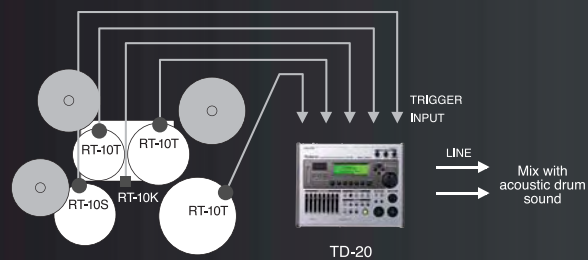
The TMC-6 Trigger MIDI Converter makes it easy to play and trigger MIDI modules and samplers from an acoustic drum set equipped with Roland's RT-series triggers, or to expand the sound palette of electronic drum sets. This affordable device uses the lightning-fast triggering technology of Roland's V-Drums for reliable triggering and super-accurate dynamics.

### 6 Trigger Inputs for Maximum Versatility

The TMC-6 includes six trigger inputs compatible with all Roland drum pads or acoustic drum triggers (an FD-8 Hi-Hat Control Pedal can also be connected). With V-Drums technology built-in, the TMC-6 provides reliable and fast response, plus separate head/rim triggering with dual-trigger V-Pads, such as the PD-125/105/85, and 3-way triggering with the CY-15R and CY-12R/C V-Cymbals. Trigger settings can be stored to 12 user-memory locations.

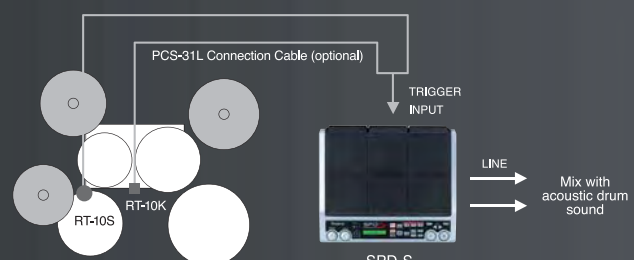
## Using the RT-10 Series and TMC-6

### Play a TD-Series brain



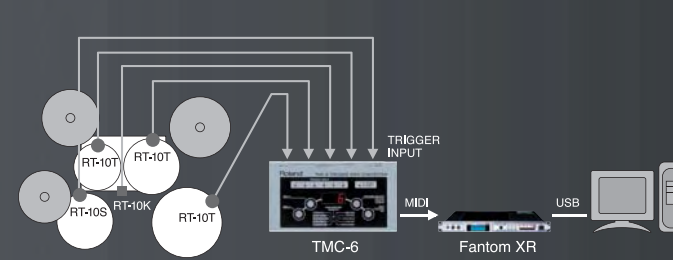
By connecting a set of RT-10 Series triggers to a TD-Series brain, drummers can play high-quality V-Drums sounds right from an acoustic set, or blend electronic and acoustic sounds to create unique sounds. Using the TD-series' Tap Sequence function, drummers can trigger sequences by simply tapping the kick.

### Trigger an SPD-Series module



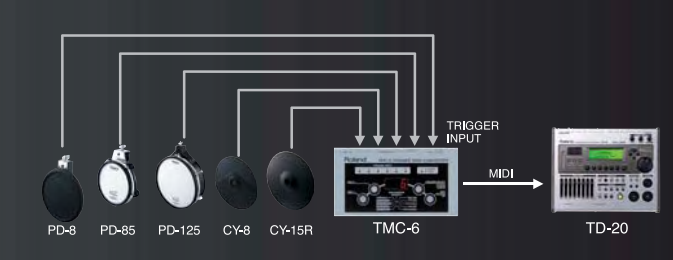
In this example, an RT-10K and RT-10S are connected to an SPD-S Sampling Pad, making this an affordable and easy way to add sampling to an acoustic set. Using the SPD-S's Velocity Switch setting, the snare and bass drum can be set to trigger a different sample depending on how hard they are hit.

### Connect a MIDI module and computer



Roland's TMC-6 Trigger MIDI Converter changes the trigger impulses received from the RT-10 series into MIDI messages — making it possible to play MIDI modules such as Roland's Fantom XR, or even record your performance into a sequencer. This expands sonic flexibility, and allows you to create more natural drum tracks when sequencing in the studio.

### Expand a V-Drums Set



The TMC-6 is also a great way to expand the capabilities of any V-Drums set. Simply connect the TMC-6 to a TD-Series brain via MIDI, and use the TMC-6's trigger inputs to connect more pads and cymbals. In this example, three pads and two cymbals are connected for triggering splash cymbal sounds and percussion instruments such as timbales and cowbell.



## Marching Percussion RMP-12

### Mesh-Head Comfort

The RMP-12's patented mesh head provides low acoustic noise, high durability, and unsurpassed comfort. Head tension can be adjusted via drum key, just like an acoustic drum, for the perfect stick response. The head is also replaceable, like an acoustic drum.



### World of Sound

The RMP-12 offers high-quality marching snares, toms, bass drums, cymbals, and other drums and percussion instruments. It also contains a variety of Latin percussion as well as electronic sounds. The four memory buttons let you store your favorite sounds and call them up instantly during your performance.



### Rhythm Coach Onboard

The Rhythm Coach helps you build speed, stamina, and accuracy. Even if you're not in the Rhythm Coach mode, you can practice with the Time Check whenever you start the metronome. The Time Check Score, which grades accuracy, is one of the menus in the Rhythm Coach. Other effective exercises include the Auto Up/Down, which gradually speeds up and slows down the metronome, and the Dyna Meter, which shows your stroke dynamics on the screen.



### Marching Percussion

Perfect for extended wear, the RMP-12 is lightweight and battery-powered. It can be attached to standard marching drum carriers for wireless transmission\*, allowing you to freely move around during your performance. For practice, mount the RMP-12 to a concert snare stand and use the Roland CUBE Street amplifier to monitor or simply connect headphones for quiet practice.

\*Commercial wireless systems sold separately



Application Guide DVD included



\*Concert snare stand sold separately

Marching Carrier Attachment **OP-RMP12**  
Attaches RMP-12 to standard marching drum carriers



#### RMP-12 SPECIFICATIONS

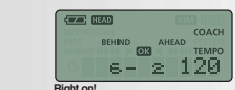
• Pad Head Size 12 inches • PAD Trigger 2 (Head, Rim) • Instruments 128 • Instrument Parameters Tuning, Volume • Memory Bank 4 • Metronome Tempo (20-300), Beat (0-13), Rhythm Types (5 types), Click Sounds (7 types), Timer Function, Time Check Function • Rhythm Coach Functions Time Check Score, Speed Check, Rhythmic Notes, Auto Up/Down, Dyna Meter, Tap Tempo • Display Custom Display • Connectors Phones Jack (Stereo miniature phone type), Mix In Jack (Stereo miniature phone type), Output Jack (1/4 inch phone type), Trigger Input Jack (1/4 inch TRS phone type) \*This jack is connected to the pad with a cable when the RMP-12 is shipped from the factory, AC Adaptor Jack • Power Supply DC 9 V: Dry battery LR6 (AA) type (alkaline) x 6 or AC Adaptor (optional) • Current Draw 220 mA \* Expected battery life under continuous use: Alkaline: 8 hours These figures will vary depending on the actual conditions of use. • Dimensions 347.5 (W) x 416 (D) x 193.8 (H) mm, 13-11/16 (W) x 16-7/16 (D) x 7-11/16 (H) inches • Weight: 3.7 kg / 8 lbs 3 oz (including battery) • Accessories Owner's Manual, Quick Guide, Dry battery LR6 (AA) type (alkaline) x 6, Drum Key, Cable Tie, Application Guide DVD

### Improving Your Skills is More Fun with Rhythm Coach

For improving and maintaining your skills, the Rhythm Coach feature provides a well-rounded and fun workout. The program helps you learn to keep perfect time and to teach your body to sense whether your timing is accurate or not. An effective partner for solo practice, Rhythm Coach makes working on your skills much more enjoyable.

#### Time Check Score

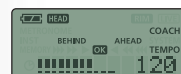
This exercise teaches you to play accurately in sync with the metronome. The display informs how precise your shots are in two levels (easy, hard).



Right on!  
Too slow (Dragging)      Too fast (rushing)

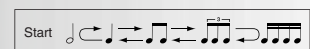
#### Dyna Meter

Your stroke dynamics are metered on the LCD. With aural and visual feedback, it's easier to learn to maintain an even volume by keeping your left- and right-hand strength in balance.



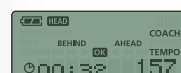
#### Rhythmic Notes

This provides basic training by changing the rhythm type every two measures. Useful for warm-up, this exercise helps you master various note values.



#### Auto Up/Down

This endurance exercise gradually increases and then decreases the click speed. The rate at which the tempo goes up and down is adjustable, and you can set the maximum tempo at which it changes.



#### Speed Check

When you play accurately for a number of measures (adjustable), the tempo increases automatically – challenges you to play at a higher speed depending on your skill.

#### Tap Tempo

You tap the pad along with the music and the tempo is automatically measured. The metronome is automatically set to the same tempo. It's a useful tool for determining the tempo of pre-recorded or performed music.

## Rhythm Coach RMP-5

### PCM Sounds Onboard

One of the key features that sets the RMP-5 apart from other rhythm trainers is its built-in sound engine. Now you can practice in style by selecting from the dozens of onboard PCM instruments inside the RMP-5. The RMP-5 lets you trigger a variety of high-quality, internal snare drum samples, hi-hats, ride cymbals, and percussion instruments. You can also choose from a menu of metronome sounds, including a standard click, human-voice count, rhythmic patterns, and more.

### Drum Kit Expansion

The RMP-5 provides a dual-trigger input that can be used to connect Roland's KD-8 kick and CY-8 cymbal controllers (optional). All together, these three components form the nucleus of a small electronic drum kit. Now you can train not only your hands, but your feet as well. The RMP-5 provides the sounds for each pad, so you can play complete grooves either solo, along with the Rhythm Coach, or with external audio (such as CD players) connected to the RMP-5's External Audio input.



#### RMP-5 SPECIFICATIONS

• Pad Size 8 inches • Pad Sounds 54 • Tempo 20 - 300 • Click Sounds 15 types • Rhythm Types 24 types • Patterns 22 types • Beat 24 types • Coach Mode TIME CHECK (8 variations), QUIET COUNT (6 variations), AUTO UP/DOWN (6 variations), RHYTHMIC NOTES (3 variations), STROKE BALANCE (2 variations), ACCURACY SCORE (4 variations) • Connectors PHONES/OUTPUT Jack: 1 (Stereo miniature phone type), MIX IN Jack: 1 (Miniature phone type), AC Adaptor Jack, EXT TRIG IN Jack: 1 (Dual) \* Using the PCS-31L, you can connect two pads. In that case, the rim shot, edge shot, and choking features are unavailable. • Power Supply DC 9 V: Dry Battery 6LR61/1604A (9 V) type (alkaline), AC Adaptor • Current Draw 80 mA \* Expected battery life under continuous use: Carbon: 1 hour, Alkaline: 4 hours. These figures will vary depending on the actual conditions of use. • Stand Screw Size M8 • Dimensions 263 (W) x 348 (D) x 78 (H) mm, 10-3/8 (W) x 13-3/4 (D) x 3-1/8 (H) inches • Weight 1.3 kg / 2 lbs 14 oz (including a battery) • Accessories Dry Battery 6LR61/1604A (9 V) type (alkaline), Drum Key

CB-RMP Gig Bag for RMP-series



PDS-2 Pad Stand



### Your Own Personal Rhythm Coach Included

The RMP-5 is equipped with Roland's famous Rhythm Coach exercises, which challenge and score your playing in fun and friendly ways. Put your skills to the test with Time Check, Auto Up/Down, and Stroke Balance, for example, to help develop consistent stick technique. Adjust the workout level according to your abilities and goals.

#### Time Check

In sync with the metronome, this exercise encourages you to strike with accuracy. The display informs how accurate your shot was in seven levels.



#### Accuracy Score

Chart your progress! With each Time Check exercise, the RMP grades your performance (for durations of 4, 8, 16, or 32 measures), and displays your accuracy from 0-100 percent.



#### Rhythmic Notes

This provides basic training by changing the rhythm type every two measures. Useful for warm-up, this exercise helps you master various note values.



#### Stroke Balance

The onscreen metronome needle indicates how strong you play. Improve balance and accent skills for both hands.



#### Quiet Count

Designed to develop your internal tempo, this exercise alternates the volume level between normal and barely audible, challenging you to maintain the correct tempo throughout.

#### Auto Up/Down

An endurance exercise that gradually increases and then decreases the click speed. The rate at which the tempo goes up and down is adjustable, and you can set the maximum tempo at which it starts decreasing.

## Dr. Beat DB-90

### Better Features, Better Practice

The Note Mixing function allows you to instantly create a variety of beats by adjusting the levels of five different note values. Front-panel sliders, buttons, and a large rotary dial provide instant, hands-on access to edit parameters. Select four different click sounds, including a human voice-counting sound that will help you know your place in the bar. The DB-90 is also equipped with realistic PCM drum patterns for developing accuracy and rhythmic feel effectively. It can also be synced to external MIDI sequencers for elaborate accompaniment.

#### SPECIFICATIONS

• Metronome Tempo: 20-250, BEAT: 1-9, BEAT: 2: OFF / 1-9, PATTERN: 30 kinds (8-BEAT x 4, 16-BEAT x 3, SHUFFLE x 3, FUNK x 2, JAZZ x 2, BLUES, TECHNO, HOUSE, COUNTRY, REGGAE, CLAVE x 2, SALSA, RUMBA, BOSSA NOVA, SAMBA, WALTZ, TANGO, MAMBO, CHACHACHA, MARCH) • Voice Voice 1 (Standard metronome sound), Voice 2 (Electronic metronome sound), Voice 3 (Electronic click sound), Voice 4 (Human voice) • Rhythm Coach Time Check, Quiet Count, Gradual Up/Down, Step Up/Down • Reference Tone Reference Pitch: A4=438 Hz-445 Hz (1 Hz steps), Reference Tone Range: C2-B6 • Auto Power Off function 60 minutes • Connector TRIG IN, START/STOP, MEMORY UP/DOWN, MIDI IN, INPUT, AC Adaptor, PHONES x 2 (Stereo 1/4" phone type, Stereo miniature phone type) • Power Supply DC 9 V: Dry battery 6F22 / 6LR61 (9V), AC Adaptor (PSA-series (Option)) • Power Consumption 85 mA or less (with reference tone sounding) • Expected battery life under continuous use: Approximately 1.5 hours (Carbon) / 6 hours (Alkaline) \* These figures will vary depending on the actual conditions of use. • Dimensions 122 (W) x 164 (D) x 37.5 (H) mm / 4-13/16 (W) x 6-1/2 (D) x 1-1/2 (H) inches • Weight 450g / 1 lb (including batteries) • Accessories Dry Battery (R6 (AA) Type), Soft case, Owner's Manual



SIDE VIEW





# Roland Percussion Products

## Roland's Revolutionary E-Percussion Family Expands



### HandSonic Artists



Luis Conte



Taku Hirano



Rhani Krija



Eva Schampaert



Tommy Snyder

## HANDSONIC 10 HPD-10

### New Sounds

An all-new collection of sounds has been created for the HPD-10; approx. 400 high-quality instruments are onboard. All of the percussive essentials have been included — congas, bongos, tabla, djembe, cajon, etc. — as well as melodic percussion, drum kit, special effects, and more. No matter the genre, from ethnic to electronic, the HPD-10 has you covered.

### Sensitive Surface

Whether you're laying down the most delicate finger rolls or the sharpest slaps, the HPD-10's playing surface can handle anything you give it. The comfortable round surface is divided into ten individual pads with pressure and positional sensitivity. The popular D Beam is also included for dramatic triggering and pitch control. Strike a virtual gong with your head, and control the pitch of a talking drum with your hand waving up/down — you get the picture.

### Easy Operation

The PRESET KITS buttons give you quick access to five specially selected kits — Conga, Tabla, Steel Drum, Drums, SFX, and five of your favorite kits. The large, backlit icon-driven LCD helps you clearly see what you are playing or editing.



PRESET KITS Button

### Style Guide Metronome

The HandSonic 10 has a new type of metronome that provides a musically inspiring selection of rhythm patterns based on a variety of styles — Latin, World Music, Rock, Pop, Jazz, Dance. It helps you not only for practice, but also for sessions as play-along patterns.

### Effects & Controller

Dual-trigger input allows a kick pedal and cymbal pad (or footswitch) to be plugged in.



Wave your hands over the invisible D Beam to trigger and control sounds with visual impact.



\* Actual D Beam is invisible; color has been added for illustration purposes only.

CB-HPD-10 Gig Bag for HPD/SPD series



## Digital Percussion



REAR PANEL

### SPECIFICATIONS

• Pad 10 inches, 10 sections, Pressure-Sensitive • Instruments 410 • Kits 64 • Effects Ambience (5 types), Multi-Effects (20 types) • Style Guide Metronome 86 patterns • Tempo 40-200 • Coach Mode QUIET COUNT, RHYTHM CHECK, TIME CHECK, PAD FOLLOW, AUTO UP/DOWN, TAP TEMPO • Controllers D Beam Controller, Control Knob • Display Icon-driven Backlit LCD • Connectors Output Jacks (L/MONO, R), Phones Jack (stereo phone type), Mix In Jack (stereo phone type), Trigger Input/Foot Sw Jack (Dual), MIDI Connectors (IN, OUT) • Output Impedance 1.0 k ohms • Power Supply AC Adaptor (DC 9V) • Current Draw 350 mA • Dimensions 323 (W) x 427 (D) x 75 (H) mm / 12.34 (W) x 16.81 (D) x 3 (H) inches • Weight 2.9 kg / 6 lbs 7 oz (excluding AC Adaptor) • Accessories Owner's Manual, AC Adaptor (ACI/PSB-1U Series), Label Sticker

### Improve your skills with the advanced Rhythm Coach function

#### Pad Follow

The "Pad Follow" lesson combines both audio and visual information. With a click playing in the background, a test pattern is played for you; at the same time, the pattern appears on the graphical pad display. Then it's your turn to copy what you just heard and saw.



Watch the pattern on the pad display as it plays.



Let's see if you can follow it!

#### Rhythm Check

Develop your timing while expanding your pattern vocabulary. With a click track playing in the background, Rhythm Check plays a pattern and then asks you to repeat it, then advances to the next pattern.

#### Auto Up/Down

An endurance exercise that gradually increases and then decreases the click speed. The rate at which the tempo goes up and down is adjustable, you can set the maximum tempo at which it starts decreasing, and the minimum tempo at which it starts increasing.

#### Time Check

Time Check teaches you to play with pinpoint precision. The 7-segment meter displays the accuracy of your performance as you play.



Too fast



Perfect!



Too slow

#### Quiet Count

This exercise is designed to develop your internal tempo. The volume of the click will alternate between normal and Quiet, challenging you to maintain the correct tempo throughout.

#### Tap Tempo

Tap a series of quarter-notes on any of the ten pads and the HandSonic 10 will calculate and display your new tempo in beats per minute. A handy resource!



## HANDSONIC 15 HPD-15

### The World's Most Popular Hand-Percussion Pad

The HPD-15 HandSonic is the world's most powerful (and famous!) electronic hand percussion multi-pad. It offers incredible triggering capabilities based on Roland's V-Drums® technology. Divided into 15 parts, the HPD-15 allows hand percussionists to play up to 15 sounds simultaneously with all the sensitivity that the V-Drums are famous for. There are 600 percussion sounds onboard derived from all over the world — including Latin and Asian countries, the Middle East, and Africa — plus electronic drums and sound effects!

### Expressive Realtime Control

The HandSonic's powerful controllers can be used to modulate pitch, timbre, and other parameters in real time, and with the expressive D-Beam controller, percussionists can trigger the onboard sounds or alter an instrument's tuning simply by waving their hands over an infrared beam of light. Also included are two ribbon controllers, an Expression Pedal input, and three control knobs. An optional KD-7 Kick Trigger Unit or FD-8 Hi-Hat Control Pedal can also be connected.

#### ■ HANDSONIC 15 SPECIFICATIONS

• **Maximum Polyphony** 64 Voices • **Instruments** Pad Instruments: 600, Backing Instruments: 54 • **Preset Patches** 160 • **User Patches** 80 • **Patch Chains** 10 chains (32 steps per chain) • **Effect Type** Reverb, Multi-Effects • **Sequencer** Preset Patterns: 99, User Patterns: 99 (Maximum), Tracks: 4, Play Functions: OneShot, Loop, Tap, Resolution: 96 ticks per quarter note, Recording Method: Real-time • **Tempo** 20-240 • **Display** 16 characters, 2 lines (backlit LCD) • **Controls** Volume Knob, Realtime Modify Knob 1/2/3, Ribbon L/R, D Beam Controller • **Pad** 10 inches, 15 sections, Pressure-Sensitive • **Connectors** Output Jacks (L/Mono, R), Phones Jack (stereo), Mix In Jack (stereo), Expression Pedal / Hi-Hat Control Jack, Trigger Input Jack (dual), Foot Switch Jack (dual), MIDI Connectors (IN, OUT/THRU) • **Output Impedance** 1k ohms • **Power Supply** AC Adaptor (DC 9V) • **Current Draw** 1000mA • **Dimensions** 406 (W) x 405 (D) x 98 (H) mm / 16 (W) x 16 (D) x 3-7/8 (H) inches • **Weight** 2.9 kg / 6 lbs 7 oz (excluding AC Adaptor) • **Accessories** AC Adaptor (ACI/ACB Series), Label



■ REAR PANEL



## Total Percussion Pad SPD-20

### Superb Sounds and Features

The SPD-20's sound set includes everything from ethnic and world percussion instruments to classic and modern acoustic and electronic drum sounds — 700 sounds total! Out of the box, you get 99 patches and six rhythm loops that can be played via eight high-quality pads with natural response — even when playing with common drumming techniques like rolls and flams.

### Infinitely Expressive

Four external dual-trigger inputs make the SPD-20 compatible with a dedicated hi-hat or kick drum controller and any of Roland's drum pads (including V-Pads™). The trigger inputs can also be used with acoustic drum triggers for triggering acoustic drums. Other noteworthy features include a velocity-sensitive Layer function, onboard effects and MIDI connections for using the SPD-20 as a controller or sound module.

#### ■ SPD-20 SPECIFICATIONS

• **Pads** Built-in Pads: 8 • Four external trigger inputs (dual) are provided, allowing you to connect Pads. • **Maximum Polyphony** 14 voices • **Instruments** 700 • **Memory** Patches: 99, Patch Chains: 8 • **Sound Parameters** Instrument, Level, Pitch, Decay, Pan, Curve, Effect Send Level • **Effects** Reverb, Delay, Chorus, Flanger • **Display** 7 segments, 3 characters (LED) • **Connectors** Output Jacks (L [Mono], R), Phones Jack (Stereo), Trigger Input Jacks (Dual): 3, HH CTRL/TRIG 4 Jack (Dual), MIDI Connectors (IN, OUT), Foot Sw Jack (Dual) • Trigger inputs 1 and 2 accept rim shots from the PD-7, PD-9 and PD-120 while inputs 3 and 4 accept rim shots from the PD-7 and PD-9. • **Power Supply** AC 12V: AC Adaptor • **Current Draw** 420mA • **Dimensions** 450(W) x 350(D) x 70(H) mm / 17-3/4(W)x13-13/16(D)x2-13/16(H) inches • **Weight** 2.8 kg / 6 lbs 3 oz (excluding AC adaptor) • **Accessories** Owner's Manual, AC Adaptor (BOSS BRA Series), Silt Tape



■ REAR PANEL



## Sampling Pad SPD-S

### Add Sampling to Your Rig!

The SPD-S Sampling Pad is a simple and affordable way to tap into the power of sampling. Six pads and three edge triggers allow drummers to trigger CD-quality samples and create phrase loops complete with pro-quality effects.

### Integrates Easily with Your Kit

The SPD-S is a great way to add sampling to any percussion setup, and it's easy — just record a sound, assign it to a pad, and go. Up to eight sounds can be played from the six rubber pads and three edge triggers. With room for 399 User waveforms, the SPD-S can store plenty of samples. Plus, there are 181 ready-to-play waveforms pre-loaded into User memory. A sampling CD is also included, making it easy to add more sounds.

### Powerful and Expandable

With 30 multi-effects algorithms and a unique ambience effect, the SPD-S offers endless sound-sculpting potential — plus the ability to create loops with the Phrase Maker function. The SPD-S has a stereo input, and can accommodate up to two trigger units for playing a drum pad in either a head or head/rim configuration. And with MIDI In and Out, it makes a great controller as well. The SPD-S can be expanded with CompactFlash media, and can import or export WAV/AIF files.

### Convenient CompactFlash Storage

The SPD-S works with readily available CompactFlash media — making it easy to expand the onboard sampling time, store custom sounds, and even import or export WAV/AIF files using your Mac or PC. \*Please contact your authorized Roland dealer regarding compatibility of CompactFlash media.



#### ■ SAMPLING MODE/TIME

	Internal (approx.)	CompactFlash (approx.)					
		16MB	32MB	64MB	128MB	256MB	512MB
LONG	12 min.	12 min.	24 min.	48 min.	96 min.	193 min.	386 min.
STANDARD	6 min.	6 min.	12 min.	24 min.	48 min.	96 min.	193 min.
FINE	3 min.	3 min.	6 min.	12 min.	24 min.	48 min.	96 min.

#### ■ PRE-LOADED SOUNDS

001 Moon Drs	019 BongoPtn	037 VerbyHit	055 PinChime	074 FlaxMtl	093 Shaker	112 SpokTom4	130 AcuSnr 1	149 909Kik	168 Splash 8
002 Moon Bas	020 CongaPtn	038 RevLASER	056 BelTreeD	075 MltCrash	094 ShakeEgg	113 OctTom 1	131 AcuSnr 2	150 110Kik	169 Splash10
003 Moon GI1	021 ShakrPtn	039 WhlPulse	057 BelTreeU	076 Ratchet	095 Maracas	114 OctTom 2	132 AcuSnr 3	151 AcuKik 1	170 Crash 13
004 Moon GI2	022 TablaPtn	040 Sperks	058 CrotaleH	077 VibraslP	096 CabasaSp	115 OctTom 3	133 Xstck 1	152 AcuKik 2	171 Crash 16
005 Moon Yo	023 16BIPtn1	041 SlidWhstl	059 CrotaleL	078 Tmbrn 1	097 CabasaSt	116 OctTom 4	134 Xstck 2	153 clubHH1c	172 Crash 18
006 JzStpDrs	024 16BIPtn2	042 NoiseTap	060 TriangOp	079 Tmbrn 2	098 Bongo Hi	117 clubSnr1	135 Xstck 3	154 clubHH2c	173 China 16
007 JzStpBas	025 16BIPtn3	043 Dolphin	061 TriangMlt	080 TmbrnSk	099 Bongo Sp	118 clubSnr2	136 808Claps	155 clubHH2c	174 Ride 20
008 JzStpChd	026 16BIFil1	044 Scratch	062 AccCym 4	081 Tmbrn Sk	100 Bongo Lo	119 clubSnr3	137 110Claps	156 clubHH2o	175 Ride Bl
009 JzStpPad	027 16BIFil2	045 Hi-Q	063 AccCym 6	082 CowbellS	101 Conga Hi	120 clubSnr4	138 HndClap1	157 808HH cl	176 808Tom 1
010 JzStpMtl	028 16BIFil3	046 Spd-S	064 CupChim6	083 CowbellL	102 Conga Sp	121 clubSnr5	139 HndClap2	158 808HH op	177 808Tom 2
011 2step Bt	029 16BIEnd	047 Welcome	065 CupChim8	084 CowJam1	103 Conga Lo	122 clubSnr6	140 HndClap3	159 909HH cl	178 808Tom 3
012 JnglBt 1	030 16BISnr	048 ComeOn!	066 Gong	085 CowJam2	104 Cajon Sp	123 clubSnr7	141 FngSnap	160 909HH op	179 AcuTom10
013 JnglBt 2	031 16BICrK	049 UGoGrv	067 Tamtam	086 CowBng0	105 Cajon Bs	124 clubSnr8	142 clubKik1	161 110HH cl	180 AcuTom12
014 Xylo Bkg	032 -S.E.-	050 Yeaahy	068 BlockJam	087 CowbMmbo	106 TimbleHi	125 clubSnr9	143 clubKik2	162 110HH op	181 AcuTom16
015 SynthBkg	033 AirDrT1	051 Haabay	069 Block Hi	088 Agogo Hi	107 TimbleRm	126 clubSnr10	144 clubKik3	163 AcuHH cl	
016 Org Bkg	034 SuperLow	052 BasSlide	070 Block Lo	089 Agogo Lo	108 TimbleM	127 909Snr	145 clubKik4	164 AcuHH op	
017 HipHpBkg	035 RevoDown	053 WndChimD	071 Claves 1	090 SlghBel	109 SpokTom1	128 110Snr	146 clubKik5	165 AcuHH n	
018 Dldgerdo	036 SwepNoiz	054 WndChimU	072 Claves 2	091 AnklBedD	110 SpokTom2	129 eSnr	147 808Kik 1	166 110 Cym	
			073 Cricket	092 AnklBedS	111 SpokTom3		148 808Kik 2	167 Splash 6	



CompactFlash®

■ REAR PANEL



#### ■ SPD-S SPECIFICATIONS

• **Pads** Built-in Pads: 9 • **Maximum Polyphony** 8 voices • **Sampling Mode** Fine/Standard/Long • **Sampling Frequency** 44.1 kHz • **Input Level** Line: -10 dBu, Mic: -50 dBu • **Input Impedance** 10 k ohms (LINE/MIC) • **Output Level** Output: -10 dBu • **Output Impedance** Output: 1k ohms, Headphones: 47 ohms • **Memory** Patches: 128, (Waves) User: 399, Card: 500 (Pre-loaded Sound 181) • **Maximum Sampling Time** 12 min. approx. (Internal Memory, Long Mode) • **Effects** Multi-Effects (30 Type) + Ambience (System) • **Display** 16 characters, 1 line (backlit LCD) • **Connectors** Output Jacks (L/Mono, R)/(1/4 inch phone type), Input Jacks (L/Mono, R)/(1/4 inch phone type), LINE/MIC selectable, Headphones Jack (Stereo/Stereo 1/4 inch phone type), Trigger Input Jacks (1/4 inch TRS phone type), Expression Pedal (1/4 inch TRS phone type), MIDI Connectors (IN, OUT), Footswitch Jack (1/4 inch TRS phone type), CompactFlash Card Slot • **Power Supply** DC 9 V: AC Adaptor • **Current Draw** 1,000 mA • **Dimensions** 342 (W) x 282 (D) x 83 (H) mm / 13-1/2 (W) x 11-1/8 (D) x 3-5/16 (H) inches • **Weight** 2.1 kg / 4 lbs 11 oz (excluding AC adaptor) • **Accessories** Owner's Manual, AC Adaptor (ACI-120C/ACI-230C/ACB-230E/ACB-240A), Sampling CD, Silt Tape, Screws: 2, Hexagon Wrench \* 0 dBu = 0.775 Vrms

\*The SPD-S's file system is developed by Kyoto Software Research, Inc. Fugue ©2003 - 2006 Kyoto Software Research, Inc. All rights reserved.



#### ■ PRE-LOADED PATCHES

01 Join Us!	13 TR808Dr1	25 CoolWind	37 Percuss1
02 Filter-9	14 909Mania	26 EchoohE	38 Percuss2
03 HipHopp	15 Outback	27 Voices	39 Percuss3
04 LAtinMtl	16 SappBeat	28 TR808Dr2	40 Percuss4
05 DrumMtl	17 Winter	29 SnglHead	41 SynSweep
06 Eftc-Mel	18 All Perc	30 Perfect	42 Phaser
07 CajonBt	19 RudeDrs	31 Timbales	43 Radio
08 Eco-Echo	20 TablaJam	32 Conga	44 Slicer
09 VeloCity	21 Drums-Q	33 RhythBox	45 ShrtLupr
10 Industry	22 Mr.LO-Fl	34 Chimes	46 RingMod
11 AcousDrs	23 Pulsar	35 Cym&Gng	47 OvrDrive
12 Bongo	24 Spiral	36 Add On	

#### ■ EFFECT ALGORITHMS

01 REVERB+GATE	16 ISOLATOR
02 DLYEDREVERB(Delayed Reverb)	17 WAH
03 STEREODELAY	18 OVERDRIVE
04 SYNCD-DELAY	19 DISTORTION
05 TAPE-ECHO	20 LO-FI(Lo-Fi Processor)
06 CHORUS	21 RADIOTUNING
07 PHASER	22 RINGMODULAT(Ring Modulator)
08 FLANGER	23 PITCHSHIFT(Pitch Shifter)
09 STEPFLANGER	24 PITCHBENDER(Pitch Bender)
10 TREMOLO/PAN	25 OCTAVE
11 SIMPLE-COMP(Compressor)	26 VOICETRANS(Voice Transformer)
12 COMP-ENHANC(Compressor+Enhancer)	27 CENTRANCEL(Center Canceller)
13 2BAND-COMP(2Band Compressor)	28 SYNTH-PERC(Synthesizer Percussion)
14 4BAND-PEQ(4Band Parametric Equalizer)	29 SHORTLOOPER
15 FILTER	30 SLICER



You need to select the suitable "Trigger Type (Pad Type)" on the sound module for your pad.

About the table ○ ... Yes — ... No

Sound Module	Trigger Input	Pad Playing Methods	V-Pad				Pad			V-Cymbal				Cymbal Pad			V-Hi-Hat		Kick Trigger KD-120, KD-85, KD-8, KD-7	Acoustic Drum Trigger						
			PD-125BK/WT, PD-105BK/WT, PD-85BK/WT			PDX-8	PD-8			CY-15R, CY-12R/C				CY-14C			CY-8, CY-5			VH-12	VH-11	RT-10S, RT-10K*1, RT-10T*1				
			Head Shot	Rim Shot	Brush Sweep*3	Head Shot	Rim Shot	Head Shot	Rim Shot	Choking	Bow Shot	Edge or Bell Shot*4	Three-Way Triggering	Choking	Bow Shot	Edge Shot	Choking	Bow Shot		Edge Shot	Choking			Head Shot	Rim Shot	
TD-20	1 (KICK)	○	—	—	○	—	○	○	○	○	○	—	○	○	○	○	○	○	○	—	—	○	○	—		
	2 (SNARE)	○ <sup>pos</sup>	○ <sup>pos</sup> <sub>2</sub> <sup>10</sup>	○	○	○ <sup>2</sup>	○ <sup>pos</sup>	○	○	○ <sup>pos</sup>	○	—	○	○ <sup>pos</sup>	○	○	○	○	○	○	—	—	○	○	○	
	3, 4, 5, 6 (TOM1, 2, 3, 4)	○	○ <sup>pos</sup> <sub>10</sub>	—	○	○	○	○	○	○	○	—	○	○	○	○	○	○	○	○	—	—	○	○	○	
	7 (HI-HAT)	○	—	—	○	—	○	○	○	○	○	—	○	○	○	○	○	○	○	○	○	○	○	○	—	
	8, 9 (CRASH1, 2)	○	—	—	○	—	○	○	○	○	○	—	○	○	○	○	○	○	○	○	○	○	○	○	—	
	10 (RIDE), 11 (EDGE)	○ <sup>pos</sup>	—	—	○	—	○ <sup>pos</sup>	○	○	○ <sup>pos</sup>	○	○ <sup>5</sup>	○	○ <sup>pos</sup>	○	○	○	○	○	○	○	—	—	○	○	—
12, 13, 14, 15 (AUX1, 2, 3, 4)	○	○ <sup>pos</sup> <sub>10</sub>	—	○	○	○	○	○	○	○	—	○	○	○	○	○	○	○	○	○	—	—	○	○	○	
TD-12	1 (KICK)	○	—	—	○	—	○	○	○	○	○	—	○	○	○	○	○	○	○	○	—	—	○	○	—	
	2 (SNARE)	○ <sup>pos</sup>	○ <sup>pos</sup> <sub>2</sub> <sup>10</sup>	○	○	○ <sup>2</sup>	○ <sup>pos</sup>	○	○	○ <sup>pos</sup>	○	—	○	○ <sup>pos</sup>	○	○	○	○	○	○	○	—	—	○	○	○
	3, 4, 5 (TOM1, 2, 3)	○	○ <sup>pos</sup> <sub>10</sub>	—	○	○	○	○	○	○	○	—	○	○	○	○	○	○	○	○	○	—	—	○	○	○
	6 (HI-HAT)	○	—	—	○	—	○	○	○	○	○	—	○	○	○	○	○	○	○	○	○	○	○	○	—	
	7, 8 (CRASH1, 2)	○	—	—	○	—	○	○	○	○	○	—	○	○	○	○	○	○	○	○	○	—	—	○	○	—
	9 (RIDE), 10 (EDGE)	○ <sup>pos</sup>	—	—	○	—	○ <sup>pos</sup>	○	○	○ <sup>pos</sup>	○	○ <sup>5</sup>	○	○ <sup>pos</sup>	○	○	○	○	○	○	○	—	—	○	○	—
11, 12 (AUX1, 2)	○	○ <sup>pos</sup> <sub>10</sub>	—	○	○	○	○	○	○	○	—	○	○	○	○	○	○	○	○	○	—	—	○	○	○	
TD-9*13	KICK	○	—	—	○	—	○	—	—	○	—	—	—	○	—	—	○	—	—	—	—	—	○	○	—	
	SNARE	○	○ <sup>2</sup>	—	○	○ <sup>2</sup>	○	○	○	○	○	—	○	○	○	○	○	○	○	○	—	—	○	○	○	
	HI-HAT	○	—	—	○	—	○	○	○	○	○	—	○	○	○	○	○	○	○	○	—	○ <sup>11</sup>	○	○	—	
	TOM 1, 2, 3, AUX	○	○	—	○	○	○	○	○	○	○	—	○	○	○	○	○	○	○	○	—	—	○	○	○	
	CRASH 1, 2	○	—	—	○	—	○	○	○	○	○	—	○	○	○	○	○	○	○	○	—	—	○	○	—	
	RIDE	○	—	—	○	—	○	○	○	○	○	○ <sup>5</sup>	○	○	○	○	○	○	○	○	—	—	○	○	—	
TD-4	SNARE	○	○ <sup>2</sup>	—	○	○ <sup>2</sup>	○	○	○	○	○	—	○	○	○	○	○	○	○	○	—	—	○	○	○	
	HI-HAT	○	—	—	○	—	○	○	○	○	○	—	○	○	○	○	○	○	○	○	—	○ <sup>11</sup>	○	○	—	
	CRASH 1, CRASH 2	○	—	—	○	—	○	○	○	○	○	—	○	○	○	○	○	○	○	○	—	—	○	○	○	
	RIDE	○	—	—	○	—	○	○	○	○	○	○ <sup>5</sup>	○	○	○	○	○	○	○	○	—	—	○	○	○	
	KICK, TOM 1,2,3	○	—	—	○	—	○	—	—	○	—	—	—	○	—	—	○	—	—	—	—	—	○	○	—	
SPD-20	1, 2	○	○	—	○	○ <sup>9</sup>	○	○	○	○	○	—	○	○	○	○	○	○	○	○	—	—	○	○	○ <sup>9</sup>	
	3, 4	○	—	—	○	—	○	○	○	○	○	—	○	○	○	○	○	○	○	○	—	—	○	○	—	
SPD-S	TRIG IN (1/2) *6	○	○ <sup>7</sup>	—	○	○ <sup>7</sup>	○	○ <sup>7</sup>	—	○	○ <sup>7</sup>	—	—	○	○ <sup>7</sup>	—	○	○ <sup>7</sup>	—	—	—	—	○	○	○ <sup>7</sup>	
HPD-15	TRIGGER INPUT *6	○	○ <sup>7</sup>	—	○	○ <sup>7</sup>	○	○ <sup>7</sup>	—	○	○ <sup>7</sup>	—	—	○	○ <sup>7</sup>	—	○	○ <sup>7</sup>	—	—	—	—	○	○	○ <sup>7</sup> *9	
HPD-10	EXT TRIG *6	○	○ <sup>12</sup>	—	○	○ <sup>12</sup>	○	○ <sup>12</sup>	○ <sup>12</sup>	○	○ <sup>12</sup>	—	○ <sup>12</sup>	○	○ <sup>12</sup>	○ <sup>12</sup>	○	○ <sup>12</sup>	○ <sup>12</sup>	—	—	—	○	○	○ <sup>12</sup>	
TMC-6	2	○	○	—	○	○	○	○	○	○	○ <sup>5</sup>	○	○	○	○	○	○	○	○	○	—	—	○	○	○	
	Others	○	○ <sup>8</sup>	—	○	○ <sup>8</sup>	○	○	○	○	○	○ <sup>5</sup>	○	○	○	○	○	○	○	○	—	—	○	○	○ <sup>8</sup>	
RMP-5	EXT TRIG *6	○	○ <sup>7</sup>	—	○	○ <sup>7</sup>	○	○ <sup>7</sup>	○ <sup>7</sup>	○	○ <sup>7</sup>	—	○ <sup>7</sup>	○	○ <sup>7</sup>	○ <sup>7</sup>	○	○ <sup>7</sup>	○ <sup>7</sup>	—	—	—	○	○	○ <sup>7</sup>	

\*pos.: Positional sensing is available.

\*To enable rim shot, edge shot, bell shot and choking techniques, you'll need to connect the pad with the stereo cable.

\*1 Does not support rim shots.

\*2 Supports Cross Sticks.

\*3 Supports brush sweep techniques.

\*4 Connect to the BOW/EDGE output jack for edge shots; connect to the BOW/BELL output jack for bell shots.

\*5 With two cables, you can perform using three different tones: bow, bell, and edge.

\*6 With a Y-Cable (PCS-31L), you can connect two pads to a single trigger input jack. However, rim shots, choking and edge or bell shot on each pad or cymbal are not available for use.

\*7 You need to set the "Input Mode" to "HD/RM" (or "H-r" in the RMP-5).

\*8 With a Y-Cable (PCS-31L), rim shots are possible with other trigger inputs in addition to Trigger Input 2.

\*9 You need to select "PD-120" for trigger type settings.

\*10 Positional sensing on rim is available.

\*11 Open/Close control is possible. Since the module is not fully compatible with the VH-11, the expressiveness of the half-open play is different from the TD-20/12.

\*12 Compatible with "PAD/RIM" dual-triggering feature in EXT TRIG mode.

\*13 TD-9 uses a dedicated D-Sub connection cable for input; separate Crash 2 and AUX inputs are also provided.











# V-Drums Lite HD-1

The All-In-One Kit For Every Home



The HD-1 is the proud recipient of:



\*V-Drums Lite HD-1 is available only as a complete kit. The sound source, pads, stands, etc., are not sold individually.  
\*Monitor speakers, mats, and sticks sold separately.

The HD-1 is forged from the same technology as its V-Drums predecessors, but it's smaller, more affordable, and much simpler to use. It's also incredibly quiet, thanks to the newly designed kick beater, cushioned tom pads, and snare head. Most of the HD-1's components are mounted on one stand for easy setup and transport, and for a clean look. Just take it out of the box and play.

## Great sound with complete volume control

The V-Drums Lite HD-1 has 10 carefully selected drum kits built in that inherit the powerful and expressive sound of flagship V-Drums kits. Thanks to the mesh-head snare, cushion tom head, and beaterless kick, the HD-1 enables noise-free playing with complete volume control.

### Drum Kits

No.	Normal Kit	Variation Kit
01	Acoustic	Jazz
02	Power	Double Bass
03	Drum & Percussion	World
04	Electronic	Dance
05	Voices	Droid

## Simple control, convenient functions

The HD-1's ease of use is exemplified by its friendly layout of knobs and buttons. No guessing, no hunting through menus — everything is clearly labeled and easy to access, including handy features such as the built-in metronome and MIX-IN jack, which lets you incorporate digital-audio players into your practice and performances.



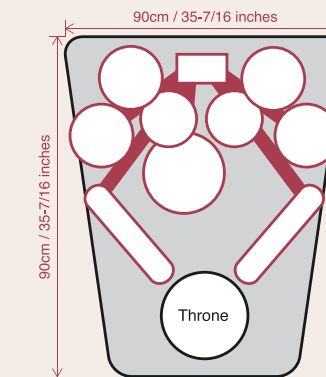
## From setup to performance, the included DVD shows you how

To enhance the experience of setting up and playing the drums, Roland provides a DVD manual with each HD-1. The content covers everything from kit assembly and operational controls to drumming rudiments and playing techniques. This easy-to-understand guide is sure to help even absolute beginners get a fast start.



## Space-Saving Design

### ■ Dimensions



\*Mat and throne sold separately.

A distinguishing feature of the HD-1 is its small footprint. For a drum kit, it requires far less space than you would imagine. Including the throne, it only occupies 90cm x 120cm (35-7/16" x 47-1/4") of floor space. It fits perfectly in a corner of any room.

## Learn more about V-Drums Lite on Roland.com!

[http://www.roland.com/V-Drums\\_Lite/](http://www.roland.com/V-Drums_Lite/)



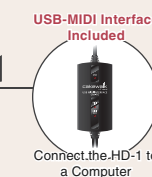
On Roland's official website you'll find a wealth of information on the HD-1, including movies, practice pieces, a Room Layout simulator, and other useful items that you can download free of charge.

### ■ SPECIFICATIONS

• Kit Configuration Kick Pedal, Snare, Hi-Hat, Hi-Hat Pedal, Tom x 3, Crash, Ride • Drum Kits 10 • Preview Patterns 10  
• Controls Drum Kits buttons x 5, Variation button, Volume knob, Tempo knob • Metronome Tempo 40 to 220  
• Sounds (3 types), Volume (3 levels) • Connectors Output jack (Stereo miniature phone type)\*1, Headphone jack (Stereo miniature phone type), Mix in jack (Stereo miniature phone type), MIDI Out connector (5-pin DIN type), Trigger Cable connector (25-pin D-sub type) • Output Impedance 100Ω • Power Supply AC Adaptor (DC 9 V) • Current Draw 300 mA • Dimensions 850 (W) x 560 (D) x 1170 (H) mm/ 33-1/2 (W) x 22-1/16 (D) x 46-1/16 (H) inches • Weight 15 kg / 33 lbs 2 oz (Excluding AC Adaptor) • Accessories Owner's Manual, Set-up Guide, Manual DVD, AC Adaptor (PSB-1U), Trigger Cable (Pre-wired in the DrumStand), Drum Key, Screwdriver, Roland Sticker \*1 Output Jack can be connected with headphones.

## OPTIONS

### HD-1 Drum Tutor DT-HD1

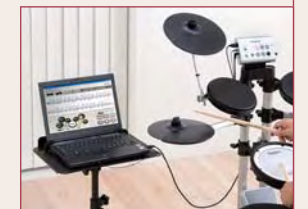


Connect the HD-1 to a Computer

Accessories  
• UM-1G USB-MIDI Interface • HD-1 Drum Tutor CD-ROM  
• Audio Cable • Cable Tie • Install Guide

### Drum Tutorial Software for HD-1

Roland's HD-1 V-Drum Lite is a big hit with beginners around the world. To enhance the HD-1 experience and help drummers learn the fundamentals, Roland has created DT-HD1, a fun, educational interactive software application. Connect your HD-1 to a PC via USB, launch the software, and play along and learn.



• System Requirements  
Operating System: Microsoft® Windows® XP SP2, Microsoft® Windows Vista® \* This does not work with the 64-bit Edition of Windows®, CPU/Clock: Intel® Core™, Pentium® processor 1.2 GHz or higher (2.0 GHz or higher is recommended), RAM: 512 MB or more, Hard Disk: 25 MB or more, Display/Colors: 1024 x 768 or higher/65,536 colors (16 Bit High Color) or more, Others: CD-ROM Drive, USB Port

### Personal Drum Monitor PM-01

Monitoring the HD-1 through headphones is ideal for private practice, but when you want your drumming to be heard in the room, the PM-01 personal monitor is the ideal solution. It's small, great-sounding, affordable, and a perfect cosmetic match for the HD-1.



### V-Drums Accessory Package DAP-1

This handy drum accessory package is ideal for entry-level V-Drums owners, allowing them to start playing their V-Drums right out of the box.



### V-Drums Mat TDM-1

This drum mat is specially designed for the HD-1 V-Drums Lite. It helps reduce vibration and protect against floor damage.



### Support Stand for PC SS-PC1

Position your laptop next to the HD-1 with this sturdy, custom-built stand. It's an ideal accessory when using DT-HD1 software with the HD-1.



\*Computer not included

### ■ SPECIFICATIONS

• Dimensions 640 mm / 25-1/4 inches (W), 555 mm / 21-7/8 inches (D), 600-950 mm / 23-5/8-37-7/16 inches (H) (height of mounting surface)  
Includes the tripod • Weight 3.5 kg / 7 lbs 12 oz • Size of notebook computers that can be mounted Up to B4 size 200-390 mm / 7-7/8-15-3/8 inches (W), up to 300 mm / up to 11-13/16 inches (D), 21-41 mm / 7/8-1-5/8 inches (H) (not including screen) \* It may not be possible to mount some designs of notebook computer • Weight capacity: 4 kg / 8 lbs 14 oz





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