



aDrums artist



Electronic Drums

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What is aDrums ?

The tension of the rebound from the striking surface, the weighty feel of a real birchwood shell, the depth of a lacquer finish, the wide dynamic range felt by a drummer in the studio — this is aDrums.

The aDrums artist embodies the same strike sensation and feeling as real acoustic drums, delivering the sense you are in complete control of the full dynamic range.

Achieving a perfect fusion with the aD5 Sound Instrument, these drums allow the drummer to generate the delicate sound of a gentle stroke to a thunderous slam.

The aDrums artist returns to the basics of sound and feel, bringing you an instrument of purity and inspiration.



Authentic

A pure instrument.

An ultimate sound, and exceptional player experience.
— the essence of drums.

Acoustic

The natural behavior of an acoustic instrument. Soft taps elicit a whisper, strong hits shake the air.

ATV's cutting-edge technology fully expresses the bold and delicate instrumental expressions not possible until now.

Artware

An instrument born of beauty, advanced technology, and craftsmanship.

An instrument you deserve.



The Drums

We believe the player's performance is enhanced by a consistency between an instrument's size and its feel, appearance, and sound. In addition to the attractive appearance of an 18" kick, 13" snare, 14" hi-hat, and 18" ride cymbal, we've taken care to ensure the same striking feel and sense of separation as with acoustic drums, while making the size not excessively large for home or studio.

Because the kick and floor toms have plenty of depth, you'll sense the aD5's solid and heavy low-end is consistent with the playing feel and appearance.

Dynamics that rival acoustic drums

Previous electronic drums had a hotspot that caused an abnormally loud volume to occur when the center of the head was struck. This made it necessary to narrow the dynamic range of the sound module so the hotspot would be less obvious. The aDrums uses multiple sensors for its drums and cymbals to ensure the striking surface has a consistent sensitivity, allowing you to express the range from pianissimo to fortissimo. A drummer's individuality is drawn out by the grooves that come from being in control of such a wide dynamic range.



Wood shell and lacquer finish



The aDrums artist uses superb materials and hardware to elevate its perfection as an instrument. All drums feature a real birchwood shell and a solid black lacquer finish. The cymbals and hi-hat are an elegantly simple design you'll love to play. The true drum-like character of these instruments is further emphasized by the sturdy chrome-plated tripod stands.

Newly developed sensors & two-layer drum heads



All drums use a two-layer mesh head and a newly developed multi-sensor. This dramatically mitigates the hotspot that produces abnormal loudness. You can now fully express yourself, allowing the sound to respond to your dynamic playing style.

The kick that supports the groove



As the foundation of your performance, the kick needs to provide stability and fast response. The mesh head couples with a unique shock-absorbing structure that both dampens and senses the impact, delivering a solid feel and high-speed triggering. The 18" shell and large spurs give you stability and assurance, letting you confidently mark the beat. You'll enjoy stable sensing and playability even during intense rapid-fire playing using twin pedals.

Detect subtle pedal-work



In drum performance, the hi-hat is being controlled in the subtlest way. Most previous electronic hi-hats used contact-type sensors, which were limited in their detection precision and tracking. The aDrums' hi-hat uses a non-contact sensor to ensure high-precision sensing that won't lag even when the hi-hat is opened and closed rapidly. The control algorithm used by the aD5 is also optimized for this new sensor, allowing a still higher level of expressive power and accuracy.

More freedom for the cymbals



The cymbals can be played around their full circumference, meaning there's no need for annoying hardware such as rotation stoppers; just place the cymbal on the cymbal stand. The newly designed pivot allows the cymbal to sway naturally in all directions. Great care has also been paid to the way in which the entire cymbal flexes when the edge is struck, as well as to the thickness of the tip. This ensures that while the cymbal is made of silicone for excellent silencing, it provides a playing feel similar to an acoustic cymbal.

Great-feeling rim shots



Cross stick feels better than ever. With its beautiful contrast between woodgrain and lacquer paint, the side rim is made of maple, the ideal material for newly developed proprietary technology that detects a specific frequency. The strike of wood and sound of the side rim are perfectly matched, creating an excellent feel. There's no longer need to use a button to switch between rim shot and cross stick.

aD5 Drum Sound Instrument

aD5

Designing Sound

The aD5 Sound Instrument allows an experienced drummer to fully express their dynamics and groove.

A performer must be able to freely play an incredible sounding instrument—the broad dynamics of a kick drum, the subtleties of a snare, and the natural resonance of a cymbal. We focused on every detail: mic placement, the position of the drummer's ear, ambient sound that includes the resonance of the room, stereo imaging placing the hi-hat on the left and floor toms on the right; all are aspects heard by the drummer.

Furthermore, we emphasize the aD5 as an instrument. While many drum modules are replaced by a new model every few years, we will continue to update our aD5 to ensure a sound investment. The rear panel "ATV LINK" port testifies to this, carrying with it the expectation of future expansion.



The realism of performing with high-resolution sound

The sound sources built into the aD5 represent vintage instruments in peak condition, tuned perfectly, played by drummers intimately familiar with the instruments. They recorded in the best studios with boutique and custom equipment, all sampled using proprietary sampling technology and know-how. Under these ideal conditions, all material is recorded in stereo at high resolution to capture every detail of the instrument's own resonance and sense of space. These high-quality instrument sounds are included in the aD5 as uncompressed audio data with minimal adjustments, ensuring the original sounds are not compromised in any way.



Vintage cymbals with well-aged resonance, snares in which you can realistically hear the shell material, well-rounded toms with rich decay, a sense of distance and room sound is evident even for the bass drum, and a powerful sense of attack for fortissimo sounds; these are the true "live" sounds that cannot be attained by the "monaural sound sources + reverb" of previous units.

Triggering speed that elicits the drummer's sense of groove

The most important criterion of great playability is hearing the sound the instant that you strike. For drummers, who unconsciously control their timing in milliseconds, any lag in triggering will impair the groove. Identical sounds played by different drummers produce different impressions because of differences in the groove (rhythmic feel).

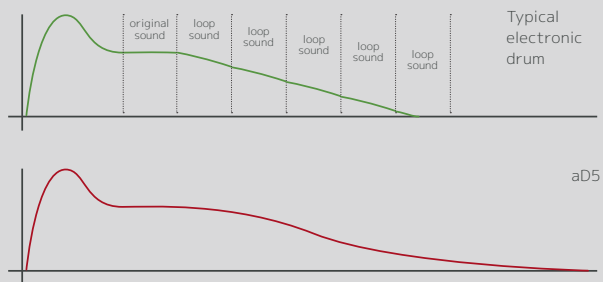
For the aD5, we newly developed a process that allows high-speed trigger analysis and low-latency sound production, thereby ensuring an unrivaled performance feel. By means of proprietary technology, uncompressed audio data containing an enormous amount of information sounds at nearly the same instant as the strike, allowing clear expression of a drummer's individuality.

The true dynamic range of drums

Until now, the dynamic range of electronic drums would easily "top out." While this meant anyone could play them to generate a stable performance, it exposed the electronic character of the drum, and did not allow a player to achieve the natural and richly varied sound of an acoustic drum.

For the aD5, we developed a new sound engine specifically for drums in order to allow full expression of the complete dynamic range from delicate pianissimo (*ppp*) to intense fortississimo (*fff*). Audio material recorded in the range of *ppp* through *fff* is accurately sounded according to the drummer's striking strength. Even when a roll is played, this sound engine can reproduce a naturally-connected roll rather than a mere mechanical succession of sounds.

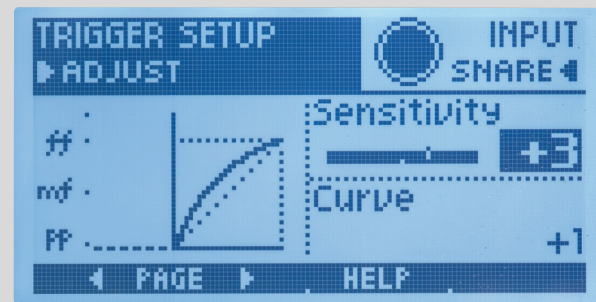
The natural decay of the original sound



Take some time to appreciate the cymbal sounds of the aD5. You'll notice the natural decay of an acoustic cymbal's resonance. Electronic drums until now minimized the amount of sound data by playing back a loop of a short cymbal sound and applying processing to create a decay. In contrast, the aD5 insists on the "raw" sound; it records the entire decay until the sound has completely disappeared, allowing the true character of the instrument to be expressed. The naturally ample decay will create a sensation of depth when playing in small ensembles, particularly in sensitive songs where rests play an important role.

* The diagram is conceptual

Intimacy with each individual drummer



Drum and cymbal pads are the gateway to your performance, and their feel and sensing ability has a major impact on the quality of your playing. Pad settings can be set to give each individual drummer the best possible playability.

To fully take advantage of the aD5 with its uniquely wide dynamic range, it is very important to make fine adjustments for each pad. The depth of rim shots, the position at which the ride cymbal is struck, and the angle of the crash cymbal are all aspects of the performing style (intentions) that differ between drummers, and these differences must be accurately interpreted from the signals of the pad.

The aD5 provides a "trigger setup wizard" that compensates for the drummer's striking method and dynamics. Simply by striking each pad in accordance with the directions shown in the display, you'll be able to complete the adjustments for strike feel and crosstalk cancellation. There is no more need for blind adjustment of trigger parameters.

The aD5 also supports pads and acoustic drum triggers from major manufacturers. You can install mesh heads and drum triggers on the drums that you already have, or select individual kick, snare, or hi-hat pads of your choice.

After you've connected your triggers or pads to the aD5, simply select the manufacturer and model of each pad, and you're finished with settings. If you're using one of the standard electronic drum kits made by another manufacturer, you can easily make settings for all pads simply by loading the appropriate "trigger setup file" for your drum kit.

Furthermore, ATV has developed a new "aDrums" drum/cymbal interface using cutting-edge sensor technology to deliver vastly superior performance, with careful attention paid to feel, size, and beauty. This provides the perfect complement to the life-like sounds of the aD5.

Individual MIDI

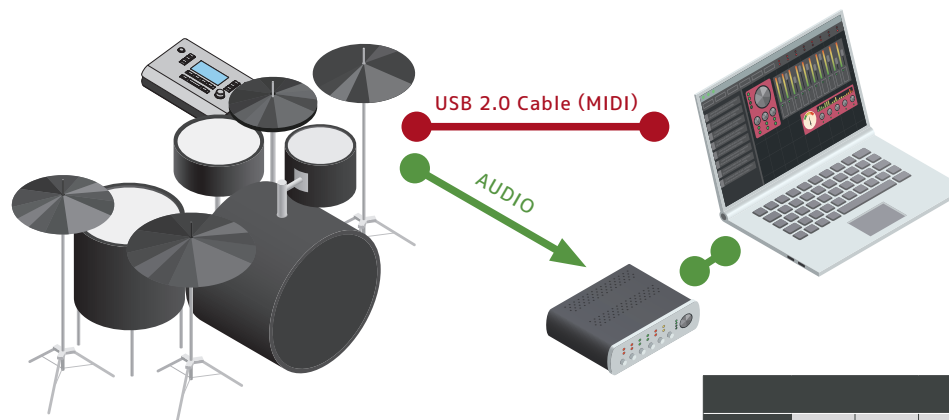
Recording acoustic drums requires a large amount of time and money. To record great drum sound, you'll need a large studio that's acoustically designed, a substantial number of expensive microphones, and a recording engineer with consummate technical skill.

By using the aD5's individual MIDI function, you can multitrack-record each instrument such as the kick and snare in stereo. There's no longer any need to put up dozens of mics for recording.

Individual MIDI is a function that allows each instrument of your aD5 performance to be recorded as MIDI data in your DAW, and then later converted into stereo multitrack audio. Instead of recording the performance from the beginning as audio tracks, recording it as MIDI tracks means that you can subsequently replace sounds and correct the timing or volume.

The aD5's sounds are carefully recorded under the best possible conditions, avoiding unnecessary sound modifications. This provides the ideal material for any subsequent processing you apply using your DAW's EQ, compression, or other plugins.

Furthermore, you won't have to worry about problems like "bleed" into the overhead mics (normally unavoidable when recording drums) or "phase cancellation"; this means you can mix each track as you desire.



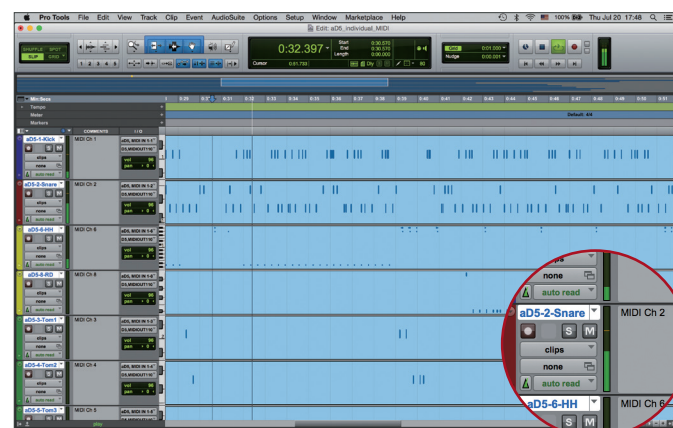
Setup is extremely easy.

Connect the USB port of the aDrums (aD5) to your computer's USB port, and assign the MIDI channel of each instrument such as snare and kick to each track of your DAW.

The audio is recorded via the audio interface as usual.

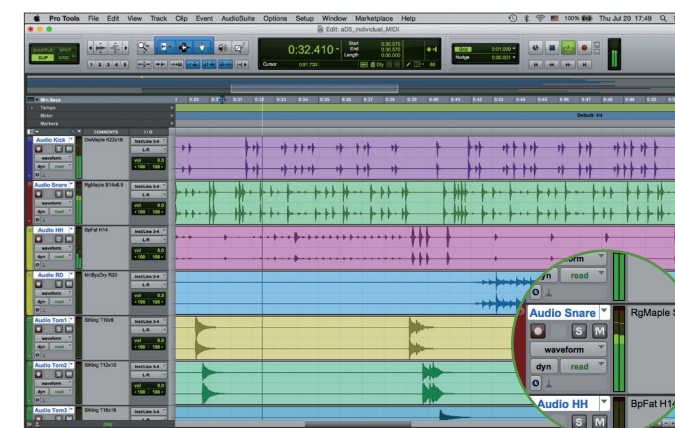
MIDI channel of each pad									
Pad	KICK	SNARE	TOM 1	TOM 2	TOM 3	HI-HAT	CRASH	RIDE	AUX 1
MIDI ch	1	2	3	4	5	6	7	8	9
									AUX 2
									10

Recording as a MIDI sequence



When you record with a MIDI channel assigned to each track of your DAW, MIDI messages are transmitted from the aD5's USB port, and your performance is recorded as a MIDI sequence. Even if there is some unsteadiness or a few wrong hits in your performance, you can conveniently correct such things before conversion to an audio track. You can also switch drum sounds on the aD5 to try out different instruments.

Turning a MIDI sequence into audio



Next, use each track's "Solo/Mute" function to convert the MIDI into audio tracks. For example, set the MIDI channel 2 snare drum to "Solo" and set the other tracks to "Mute"; now when you play back the MIDI sequence, only the snare sound is heard from the aD5. When you record audio in this state, you'll get an audio track that contains only the snare played by the stereo sound generator.

SOUND STORE

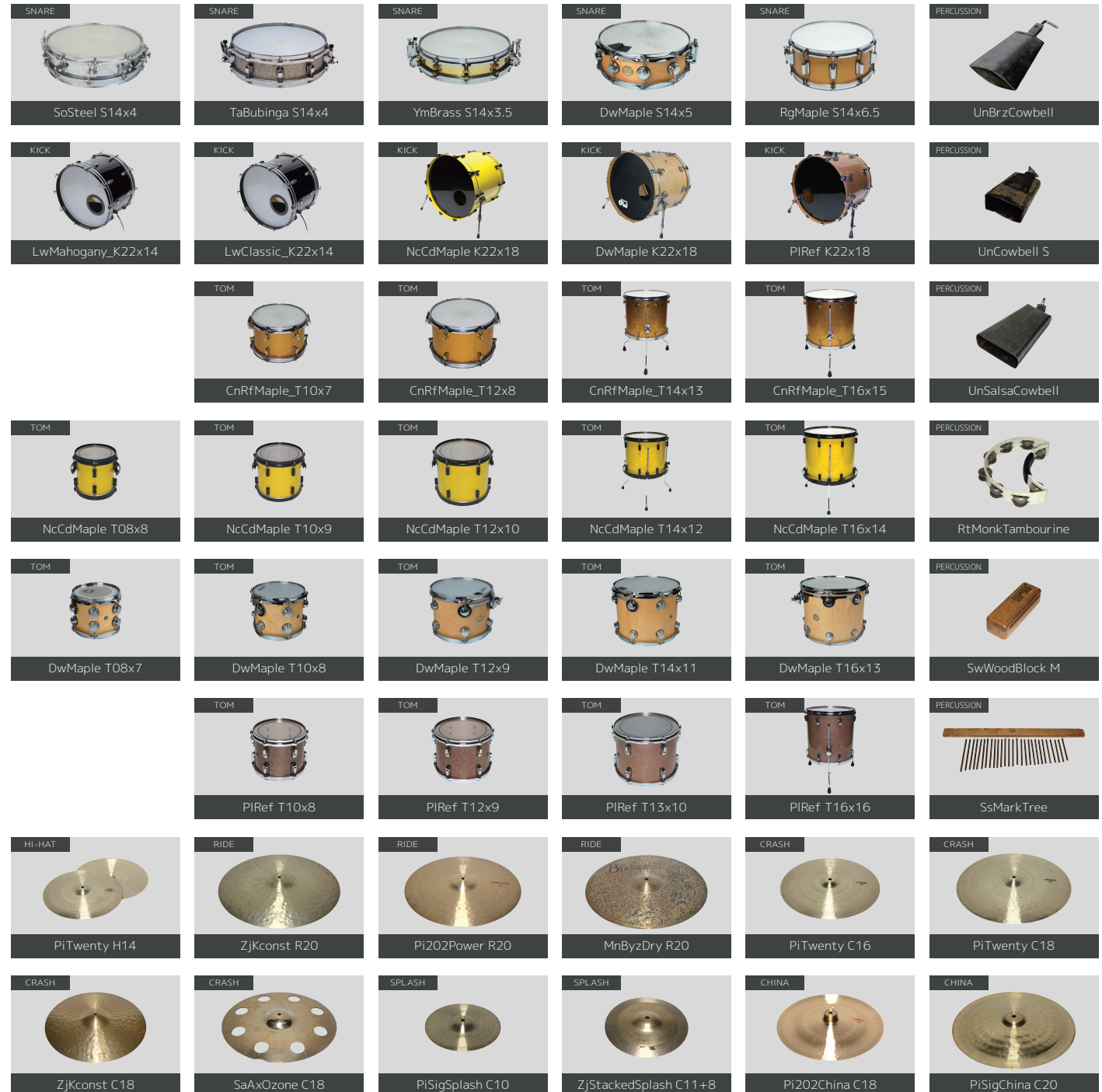
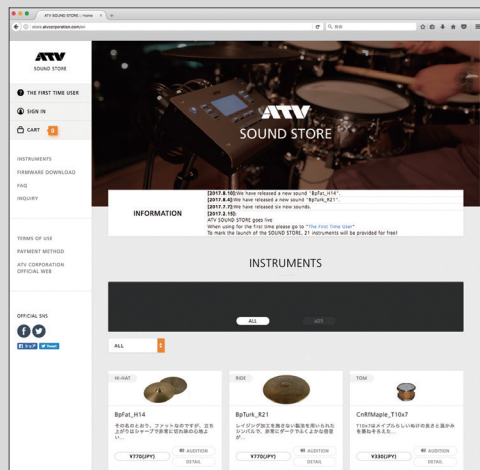
At the ATV sound store you can purchase an ever-increasing number of inspiring instruments. Even though these are electronic drums, we have taken time to carefully craft each of them as an authentic instrument. In the future, we plan to offer a succession of these meticulously constructed instruments.

The thumbnail photos show the specific instruments that were sampled. Vintage instruments, along with carefully maintained classic instruments from a host of manufacturers are played by top drummers. These instruments overflow with distinctive character.

As soon as you purchase an instrument, you can immediately import it into the aD5 and play it.

ATV SOUND STORE

<https://store.atvcorporation.com/en>



* We will continue adding instruments as they are ready.

Lineup

The aDrums artist is available in two configurations: STANDARD SET and EXPANDED SET. Customers who already own an aD5 sound module can choose the BASIC SET (with or without the EXPAND PACK.) Choose the aDrums package that's right for your own style. Drums, cymbals, and hardware can also be purchased individually.



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BASIC SET

STANDARD SET

With a simple and balanced structure, this set of aDrums provides the expressive power and looks of an acoustic drum set. It's also an ideal basis for a custom kit that you create by adding cymbals or floor toms.

Setup size: approximately 150 x 130 cm / 59 x 51 inches

Set Includes

Shell & Cymbal		Hardware	
- Kick Drum 18" x 12"	aD-K18 x1	- Snare Stand	ADA-SS x1
- Snare Drum 13" x 5.5"	aD-S13 x1	- Tom / Cymbal Stand	ADA-TCS x1
- Tom 10" x 6.5"	aD-T10 x1	- Cymbal Stand	ADA-CS x1
- Floor Tom 13" x 12"	aD-T13 x1	- Multi-Purpose Clamp	ACC-MPC x1
- Hi-Hat 14"	aD-H14 x1	- Triggar Cable	x2
- Cymbal 16" for Crash	aD-C16 x1		
- Cymbal 18" for Ride	aD-C18 x1	Sound Module (STANDARD SET)	aD5 x1

* The BASIC SET does not come with the aD5 sound module.
* Drum key is included. *Kick pedal, hi-hat stand, and throne are sold separately.



aDrums artist

EXPANDED SET

The expanded set provides the very popular two rack-tom, one floor-tom configuration. The added cymbal can also be used as a crash, china type, splash, or percussion instrument, allowing you to cover a variety of styles.

Setup size: approximately 160 x 130 cm / 63 x 51 inches

Set Includes

Shell & Cymbal		Hardware	
- Kick Drum 18" x 12"	aD-K18 x1	- Snare Stand	ADA-SS x1
- Snare Drum 13" x 5.5"	aD-S13 x1	- Tom / Cymbal Stand	ADA-TCS x2
- Tom 10" x 6.5"	aD-T10 x2	- Cymbal Stand	ADA-CS x1
- Floor Tom 13" x 12"	aD-T13 x1	- Multi-Purpose Clamp	ACC-MPC x1
- Hi-Hat 14"	aD-H14 x1	- Triggar Cable	x2
- Cymbal 16" for Crash	aD-C16 x2		
- Cymbal 18" for Ride	aD-C18 x1	Sound Module	aD5 x1

* Drum key is included. *Kick pedal, hi-hat stand, and throne are sold separately.



aD5

Drum Sound Module

The aD5 features cutting-edge sensing technology, fast response, and pure audio-class output quality. Successive updates are planned for the future, and we will continue to add inspiring sounds and improve the sound engine technology.

Set Includes

- AC adapter
- Multi-trigger cable
- Stand adapter
- Quick start guide

COLLECTION

Expand Pack

This package adds a 10" tom and 16" cymbal to upgrade the STANDARD SET to the EXPANDED SET.

Shell & Cymbal	- Tom 10" x 6.5"	aD-T10 x1
	- Cymbal 16" for Crash	aD-C16 x1
	- Tom / Cymbal Stand	ADA-TCS x1



ADA-SS
Snare Stand



ADA-CS
Cymbal Stand



ADA-TCS
Tom / Cymbal Stand



aD-S13
13" x 5.5" Snare Drum



aD-T10
10" x 6.5" Tom



aD-T13
13" x 12" Floor Tom



aD-K18
18" x 12" Kick Drum



aD-C10
10" Cymbal

New



aD-C12
12" Cymbal

New



aD-H14
14" Hi-Hat



aD-C14
14" Cymbal



aD-C16
16" Cymbal



aD-CH17
17" China Cymbal

New



aD-C18
18" Cymbal



www.atvcorporation.com/en/

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