



disklavier™

Grand and Upright Pianos

Built to Perform

The Mark IV Debut



Bring Live Music Back Home

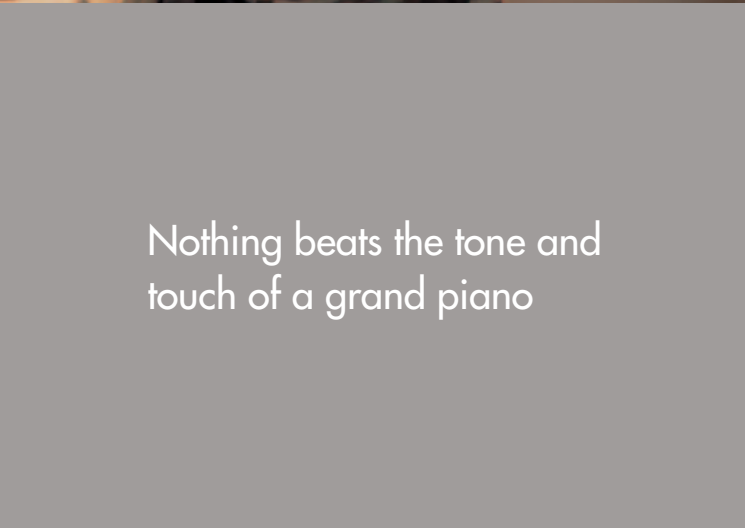
The Ultimate in Personal Music Entertainment

Ever since the original Yamaha Disklavier introduced the marvels of hybrid acoustic/digital pianos back in 1986, these computer-age 'player' pianos have evolved into instruments that can reproduce 'live' acoustic piano concerts and ensemble music with instrumental backings and vocal tracks. The Disklavier Mark IV takes this all a step further. Yamaha's unique combination of both acoustic and digital superiority has made it the obvious choice of music-lovers, pianists,

and educators worldwide. Its easy-to-operate user functions make the Disklavier a breeze to customize and automate, always giving you the right music at the right time. Combining the tone and touch of world-class Yamaha grand pianos with an astonishing range of interactive capabilities, the Mark IV is the ultimate piano for home entertainment systems, business establishments, or educational and creative environments.



The Disklavier is a great addition to any party



Nothing beats the tone and touch of a grand piano



The Disklavier brings families together



Control the Disklavier with ease and comfort from a distance



Pocket Remote Control (PRC-100)

The sleek, compact design of the PRC-100 literally packs all of the Disklavier Mark IV's features and functions into a single hand-held device. Its intuitive full-color touch screen (320 x 240 pixels) is as easy to read as it is to use. You can browse your entire library with the handy stylus, or create custom playlists using the built-in QWERTY keypad.

Music So Inspiring You'll Want to Sing Along

Just connect a microphone to the Disklavier Mark IV piano and sing along through its built-in speakers. To fine-tune your experience, the Mark IV features performance-enhancing effects like spacious reverbs and vocal harmony with virtual backup singers. You can choose to display song lyrics externally on any TV monitor. To browse the vast library of song disks available, visit www.yamahamusicsoft.com.

A Built-In Amplified Speaker System Only Possible From Yamaha

The Disklavier Mark IV performs as a stand-alone unit or as part of the ultimate home audio/video system. With genuine Yamaha speakers,

each powered monitor is discretely mounted at an outward angle sending music away from the piano for a more spacious overall sound. For larger audio systems and installations, flexible output routings are provided to send music to any part of the house your system allows. Outputs assigned to areas far from the Disklavier can have a digital piano sound inserted into the audio stream, while keeping a background-only mix sounding in areas near the acoustic piano.

Low-Profile Hardware Provides the Gateway for All of Your Music Software

Using the Media Center, software can be played directly from the built-in floppy disk and CD drives, and removable USB storage devices*, or loaded to internal memory for easy access. Convenient connections include headphone outputs, microphone input, and USB ports. The retractable glossy, black cover conceals the Media Center and matches the finish of the piano's cabinetry.

* Certain USB storage devices may not function properly with the Disklavier Mark IV Series. For a list of compatible products, please visit www.yamaha.com/disklavier.



Pocket remote control



Low-profile Media Center



The Media Center's retractable cover provides an elegant piano finish concealing the panel buttons



Play software on CDs and floppy disks to further expand your range of musical entertainment



PianoSoft™

Quality
Meets
Quantity

Performances by World-Class Artists on PianoSoft™



PianoSoft Solo™ Series

World-class solo pianists perform piano-only music upon your request. Available in many genres, these selections are for the piano purist in all of us. With everything from country to contemporary, and from ragtime to Rachmaninoff, PianoSoft Solo makes the legendary Yamaha acoustic piano the featured soloist.

Acoustic Piano



PianoSoft•PlusAudio™ Series

Introduced with the revolutionary Disklavier Mark III, this CD-based software line takes advantage of everything digital audio has to offer. Specially recorded vocal and ensemble parts accompany the Yamaha acoustic piano for the ultimate in realism and accuracy.

Acoustic Piano

Real Orchestrations on Specialized Audio CDs



PianoSoft•Plus™ Series

The 'Plus' adds digital instruments to the solo piano appropriate for the style of music selected. You may hear full orchestras including strings, horns, and percussion, or a Country band, a Rock band, and much more.

Acoustic Piano

Digital Orchestrations



Smart PianoSoft™ Series

Cutting-edge PianoSmart technology is at the heart of Smart PianoSoft, the Mark IV's fastest growing line of software. Traditional store-bought audio CDs (that you may very well already own) can accompany the Disklavier's professionally arranged piano performance. Recordings don't get any more authentic than the original artists, and that's exactly what Smart PianoSoft delivers... by the hundreds.

Acoustic Piano

Real Orchestrations From Any Traditional Audio CD

Built-In PianoSoft Sampler – The Disklavier Mark IV is Ready to Play
 Every Disklavier Mark IV comes pre-installed with hours of music right from the factory featuring selections from PianoSoft Solo, PianoSoft•Plus, and even PianoSoft•PlusAudio! This means that the moment your Mark IV is delivered and powered-up, you'll be listening to music right away.

You can purchase and, in many cases, download titles from the PianoSoft catalog, or view the entire catalog at www.yamahamusicsoft.com.



YAMAHA

Practice Makes Perfect

More Than a Piano – the Yamaha XG Tone Generator

Many educational software titles are available with ensemble backgrounds to accompany practice. The Yamaha XG tone generator has hundreds of high-quality instrumental voices to get the most out of your accompaniment.



The New AEM Tone Generator

Taking digital instruments to new levels of realism, the new AEM (Articulation Element Modeling) tone generator breathes new life into orchestrated backgrounds. This next-generation sound source produces the subtle nuances heard in brass, saxophone, and string sections. Regular software, including educational and even karaoke titles, will spring to life with Yamaha's latest sound technology.

Practice One Hand While the Disklavier Plays the Other

Every teacher knows that practicing hands separately improves speed, accuracy, and memorization. With the ability to play the right and left hands independent of one another on selected software titles, as well as vary the tempo, practicing piano on the Disklavier has become a truly interactive experience. Add to this the fact that many popular method and lesson books are being offered with hands-separate recordings on disk, and you've got the ultimate music practice partner.



Digital Quiet Mode/Headphone Mode Flexibility

Yamaha's Sound Muting System allows you to instantly switch off the sound of the acoustic piano, enabling the digital piano to be played at ultra-quiet volumes. With this feature, you can play and listen in Quiet Mode with the built-in speakers or in Headphone Mode via the privacy of dual headphones. Enjoy the Disklavier anytime at a sound level best suited for you and those around you.




YAMAHA

The Ideal Synergy of Audio, Video, and One Beautiful Acoustic Piano

Russian Pianist Tatiana Ivleva

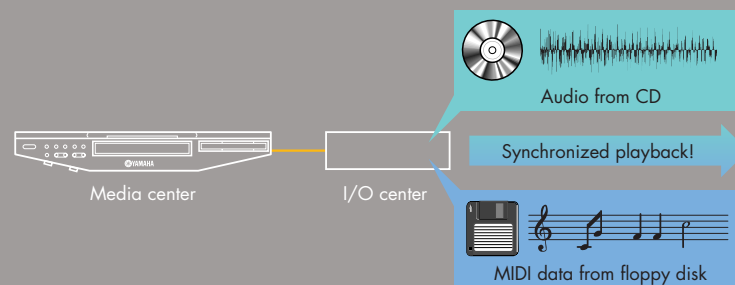
piano Smart™

PianoSmart™ Audio Synchronization

You won't need to look too hard to find audio CDs that are compatible with your Disklavier Mark IV – you probably already own them. Thanks to PianoSmart, any one of hundreds of standard store-bought audio CDs are ready to play along with the Mark IV. All that's required is the corresponding Smart PianoSoft title for the CD of your choice.

So choose a CD of a world-class Yamaha artist playing the piano and watch the Mark IV match the piano recording with the CD. After you load titles into the Mark IV's internal memory, PianoSmart automatically and seamlessly synchronizes your audio each time.

PianoSmart™ audio synchronization

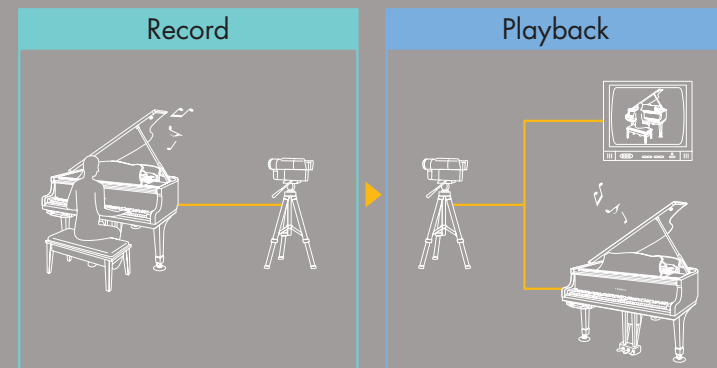


MARK IV SERIES FULL-FUNCTION GRANDS

PianoSmart™ Video Synchronization

Yamaha didn't stop at just playing audio CDs along with your Disklavier. PianoSmart also provides you with the ability to synchronize videotaped performances with the Disklavier Mark IV. By simply connecting the audio jacks of a standard video camcorder to the SYNC jacks of the I/O Center, your performance can be immortalized for playback on the Mark IV and a standard TV monitor at the same time!

PianoSmart™ video synchronization





Classic Form
Contemporary Function

SmartKey™—Now Anyone Can Play Right Away

Have you ever dreamed of playing the piano but thought you didn't have time to learn? With SmartKey technology, the new Disklaviers can make your dream come true. Even if you've never touched a keyboard or read a note of music in your life, the new SmartKey feature makes it easy to learn without a single lesson. Just follow along as SmartKey shows you which notes to play by partially depressing the next key in the melody. SmartKey prompts the Disklavier to wait for you and plays at a speed within your comfort zone. Within minutes, you'll be playing entire songs while the Disklavier follows your lead with virtuoso harmonies and arpeggios.

CueTIME™, another exciting development in music software, offers sophisticated auto-accompaniment where you don't play along with recordings – the recordings play along with you! Simply play the printed piano part and the digital orchestra follows your cue, matching your



pace and enhancing your performance with professional arrangements.

Note: SmartKey software may not be available in some countries.

The International Piano-e-Competition Truly the First of its Kind

Imagine a top-level classical piano competition where the performers, the judges, the audience, the pianos played, and the pianos heard are all in different cities at separate corners of the globe. This happens every other year at the International Piano-e-Competition, and it wouldn't be possible without the technology found only on Yamaha Disklavier pianos. This unprecedented event, first held in June 2002, uses state-of-the-art technology to expand the arena of virtuoso competition.

Contestants gather in selected cities to perform on Yamaha CFIIIS concert grands equipped as Disklavier Pros. Performance data is then transmitted over the Internet, allowing judges and audiences to listen on actual acoustic pianos on stage – not through audio recordings subject to the quality of speakers and microphones. This method is so ground-breaking that it has been noted by Gustav Alink, who rated the International Piano-e-Competition among the top 30 in the world (from over 400) in his book *Piano Competitions Worldwide*. Disklavier owners around the world watched the competition's Web site (www.ecompetition.org) waiting for the latest performances to be posted. Once pieces were downloaded, enthusiasts enjoyed world-class musicians giving private performances on a live acoustic piano – all in the comfort of their own homes.



Six pianists from around the world make it to the final rounds

Unparalleled Experience Means Unrivaled Recording and Playback

There's a reason why the Yamaha Disklavier has become the symbol of excellence in reproducing pianos. Disklavier technology is factory-built into the piano from the beginning of its construction.



Superior Yamaha development and design

The Disklavier Mark IV's advanced, intricate internal construction

- 1 Power supply unit
- 2 I/O center
- 3 Powered speaker
- 4 Powered speaker
- 5 Solenoid unit
- 6 Media center
- 7 Sensor

Note: The location of each unit differs depending on the model.

Ultra-Large Internal Music Storage Capacity

Floppy disks, CDs, and other removable media are fine for carrying music from one place to another. But once the music makes it to the Disklavier Mark IV, it can be loaded onto the vast internal memory capable of holding hundreds of hours of music. Virtually every MIDI song file ever created for the Disklavier could be loaded and stored inside the Mark IV. If that seems a little excessive, the extra storage comes in handy for loading CD audio tracks.

Yamaha's Exclusive High-Performance Grayscale Hammer Sensor

The world's first continual-detection optical hammer sensor continuously traces the hammer position from the time a key is pressed until it's released. This outperforms the previous two-point detection sensors of earlier Disklaviers and the simpler "Key ON/OFF" sensors used on many other systems. With the grayscale key sensor, the Mark IV monitors every motion of the key and hammer – even rapidly repeated notes – with meticulous precision and the softest touch. This technology also allows the Mark IV to calibrate itself as the action matures. The instrument literally evaluates its own performance and makes adjustments if necessary. All of this means you get the most accurate playback of any system available, truest to the original performance.

Servo Control for Precision Playback Performance

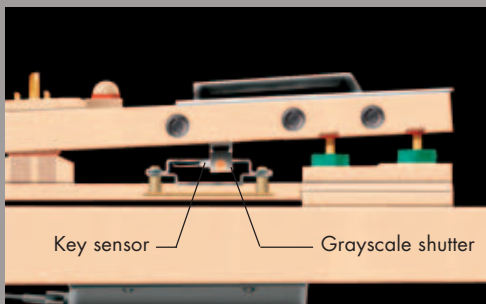
Under the command of specially developed LSI microprocessors, the servo control system continuously monitors the movement of each key, precisely recreating every detail of the original performance. This allows for a slow return of the keys and delicate pianissimo, things that were previously unattainable.

Get Connected with the I/O Center

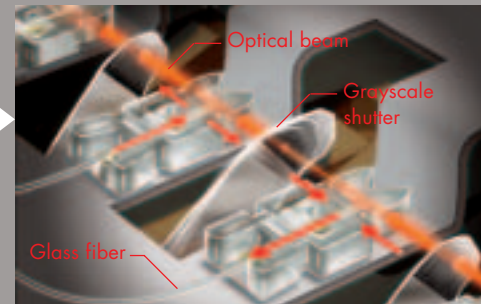
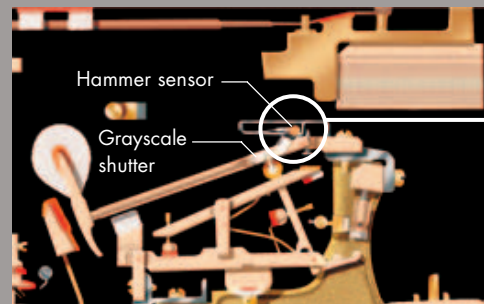
The Disklavier Mark IV has the ability to connect to a wide range of external equipment. Essentially, any device that connects to the Mark IV will be plugged into this "Input/Output" center. You can connect TVs, cameras, computers, home networks, and various other audio and music equipment to the I/O Center. No matter what your particular needs are, the Mark IV is ready to play...

I/O Center Connections

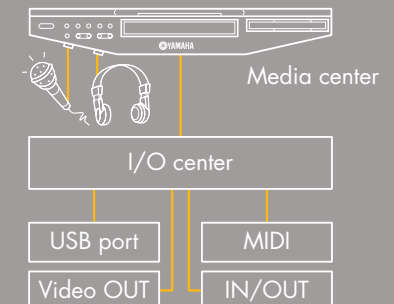
Port	External equipment
S/PDIF (digital audio output)	High-end audio systems
USB (host and device)	Computer or various removable storage media
MIDI	Other electronic musical instruments
Ethernet	Computer or home network



The grayscale key sensor continuously monitors every motion of the key and hammer



The grayscale shutter detects the optical beam



External connections



disklavier™
MARK IV SERIES
FULL-FUNCTION GRANDS



DC3M4

Length: 186 cm (6' 1")
 Width: 149 cm (58 3/4")
 Height: 101 cm (39 3/4")
 Weight: 361 kg (796 lbs)



DC5M4

Length: 200 cm (6' 7")
 Width: 149 cm (58 3/4")
 Height: 101 cm (39 3/4")
 Weight: 396 kg (873 lbs)



DC6M4

Length: 212 cm (6' 11")
 Width: 154 cm (61")
 Height: 102 cm (40 1/2")
 Weight: 441 kg (972 lbs)



DC7M4

Length: 227 cm (7' 6")
 Width: 155 cm (61")
 Height: 102 cm (40 1/2")
 Weight: 451 kg (994 lbs)



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MARK IV SERIES
FULL-FUNCTION GRANDS



DC2M4

Length: 173 cm (5' 8")
Width: 149 cm (58 3/4")
Height: 101 cm (39 3/4")
Weight: 341 kg (752 lbs)



DGC1M4

Length: 161 cm (5' 3")
Width: 149 cm (58 3/4")
Height: 101 cm (39 3/4")
Weight: 336 kg (741 lbs)



DC1M4

Length: 161 cm (5' 3")
Width: 149 cm (58 3/4")
Height: 101 cm (39 3/4")
Weight: 331 kg (729 lbs)



DA1M4

Length: 149 cm (4' 11")
Width: 146 cm (57")
Height: 99 cm (39")
Weight: 310 kg (683 lbs)



disklavier™

MARK III SERIES

PLAYBACK GRANDS

The Intelligent Compact Piano that's Easy to Play and Listen to

An intelligent alternative for those who simply enjoy playing or listening, these Disklavier baby grands are both fine acoustic pianos and superb piano/ensemble entertainment systems, with many of the versatile playback features of the Mark III Full-Function Grands.



DGB1 CD

Enjoy superb 'live' piano and instrumental ensemble performances.

Length: 149 cm (4' 11")

Width: 146 cm (57")

Height: 99 cm (39")

Weight: 304 kg (670 lbs)

Finish: Polished Ebony



DGC1

The DGC1 incorporates CD drive and PianoSmart™ technology.

Length: 161 cm (5' 3")

Width: 149 cm (58 3/4")

Height: 101 cm (39 3/4")

Weight: 325 kg (716 lbs)

Finish: Polished Ebony

Please contact your dealer for other available finishes. Weight includes control unit and speakers.



disklavier™

MARK III SERIES

FULL-FUNCTION UPRIGHTS

Disklavier Upright Piano Performance
in One of Yamaha's Most Popular
Upright Pianos!

The Disklavier Mark III upright offers an unprecedented range of playback, recording, and other features in the classic, space-efficient, and budget-friendly vertical form of the perennially popular Yamaha U1 piano.



DU1A The classic U1 piano has an unprecedented range of playback and recording.

Height: 121 cm (47 3/4")
Width: 153 cm (60 1/4")
Depth: 61 cm (24")
Weight: 261 kg (575 lbs)
Center pedal: Sound Muting System operation
Finish: Polished Ebony

Please contact your dealer for other available finishes. Stereo headphones included. Weight includes control unit.

Specifications

MARK IV SERIES GRAND PIANOS

DGC1M4, DC1M4, DC2M4, DC3M4, DC5M4, DC6M4, DC7M4, DA1M4

Sensor System	
Key Sensors	Non-contact optical fiber/grayscale shutter sensing system for 88 keys (senses the key position, keying velocity, and key releasing velocity)
Hammer Sensors	Non-contact optical fiber/grayscale shutter sensing system ¹
Pedal Sensors	Non-contact digital optical sensing system (senses the pedal position ²)
Drive System	
Keys	DSP servo drive system (high-power servocontrolled solenoids)
Pedals	DSP servo drive system (servocontrolled solenoids)
Data Storage	
Internal Memory	80 GB
File Format	Standard MIDI File (format 0, 1) / E-SEQ
Removable Media	
Floppy Disk	3.5" 2DD (720 KB) or 2HD (1.44 MB) floppy disk
Compact Disc	Audio CDs, PianoSoft•PlusAudio™, Data CD
USB Flash Memory	Yes
Media Center	
Drives	CD and floppy disk drive
Dimensions (W x H x D)	405 x 257 x 73 mm (16" x 10 1/8" x 2 7/8")
Weight	3.3 kg (7.3 lbs)
Pocket Remote Control	
Dimensions (W x H x D)	74 x 138 x 23 mm (2 15/16" x 5 7/16" x 15/16")
Weight	210 g (7.4 oz) ³
Monitor Speakers	
Rated Power Output	20W x 2; tone and volume controls
Drivers	16 cm (6 1/4") woofer x 2, 2.5 cm (1") tweeter x 2
Dimensions (W x H x D)	144 x 236 x 167 mm (5 11/16" x 9 5/16" x 6 5/8")
Weight	4.4 kg (9.7 lbs)
Record/Playback Mode	Standard
Pitch Control	Set at A=440, tunable ±50 cents in 1-cent steps
Sound Muting Mechanism	Motor-driven hammer shank stopper
Piano Voice and Performance Tone	
Type	AWM2/Articulation Element Modeling (AEM)
Polyphony	64-note digital stereo sampling (90 MB wave memory, 16 bit linear) (AWM2) 6-note AEM
Normal Voices	Piano (digital stereo sampling) and other 42 voices
Ensemble Tone	
Type	Advanced Wave Memory 2 (AWM2)
Polyphony	32-note max.
Ensemble Parts	16
Voice Module Modes	XG, GM
Normal Voices	676
Drum Voices	21 kits total
Power Source	Local AC current, 100–240V, 50/60Hz
Supplied Accessories	Media Center, installation kit for the Media Center, monitor speaker, installation kit for the monitor speaker, speaker cord, PRC-100 Pocket Remote Control, CF wireless LAN card, EA-BLO8 rechargeable battery, cradle, EA-70 AC adapter, AC power cord, advanced operating manual, Quick Guide, stereo headphones
Optional Accessories	HPE-170 headphones

MARK III SERIES PLAYBACK GRAND PIANOS

DGB1CD, DGC1

Sensor System	
Pedal Sensors	Sustain & shift: incremental, position-sensing, optical Sostenuto: on/off, optical
Drive System	
Keys	High-power, high-efficiency solenoids
Polyphony	16-note polyphonic
Pedals	Sustain & shift (soft): trapwork-integrated solenoids; incremental response
Data Storage	
Internal Memory	1.44 MB x 16 flash memory disks (16 MB total); up to 9 groups and 99 program sets; built-in calendar/clock/timer
File Format	Standard MIDI File (format 0, 1) / E-SEQ
Removable Media	
Floppy Disk	3.5" 2DD (720 KB) or 2HD (1.44 MB) floppy disk
Compact Disc	Audio, MIDI and audio/MIDI CDs, PianoSoft•PlusAudio™
Control Unit	
Main Display	Song number plus 24-character x 2-line LCD
Function Indicators	LEDs (including drive/disk-number indicator)
Drives	CD and floppy disk
Switches	Power, Host Select (MIDI, PC1, PC2, Mac)
Dimensions (W x H x D)	227 x 64 (87) x 180 mm (9" x 2 1/2" [3 1/2"] x 7")
Weight	1.6 / 2.2 kg (3.5 / 4.8 lbs)
Amplification	60W x 2; tone and volume controls
Speakers	16 cm (6 1/4") woofer x 2, 2.5 cm (1") tweeter x 2
Connectors	MIDI In/Out, AUX In/Out (R, L/Mono), Headphones x 2, To Host (serial port), To Piano, CD Control, Audio/Analog MIDI In, Foot Controller
Ensemble Tone	
Type	Advanced Wave Memory 2 (AWM2)
Polyphony	32-note max.
Ensemble Parts	16
Voice Module Modes	XG, GM
Normal Voices	676 (480 selectable)
Drum Voices	21 kits total (11 selectable)
Pitch	Set at A=440, tunable ±50 cents in 1-cent steps (in unison with digital piano tone)
PianoSmart Technology	Yes
Power Source	Local AC current
Supplied Accessories	Wireless remote control unit w/batteries, PianoSoft sample disk, CD software, blank 3.5" HD floppy disk, owner's manuals, control unit suspension bracket
Optional Accessories	FC-4, FC-5 foot switches, FC-7 foot controller

- Notes: 1. Except DGC1M4, DC1M4, DC2M4, DA1M4
2. Continuous sensing for the damper and soft pedals, and on/off sensing for the sostenuto pedal.
3. Includes rechargeable battery, but not the screen protector and wireless LAN card.

MARK III SERIES UPRIGHT PIANO

DU1A

Sensor System	
Key Sensors	Single-beam, on/off optical sensors
Hammer Sensors	Single-beam, four-point, optical
Pedal Sensors	Sustain & shift: incremental, position-sensing, optical
Drive System	
Keys	Self-calibrating solenoids
Polyphony	16-note polyphonic
Pedals	Sustain & shift (soft): trapwork-integrated solenoids; incremental response
Data Storage	
Internal Memory	1.44 MB x 16 flash memory disks (16 MB total); up to 9 groups and 99 program sets; built-in calendar/clock/timer
File Format	Standard MIDI File (format 0, 1) / E-SEQ
Removable Media	
Floppy Disk	3.5" 2DD (720 KB) or 2HD (1.44 MB) floppy disk
Compact Disc	Audio, MIDI and audio/MIDI CDs, PianoSoft•PlusAudio™
Control Unit	
Main Display	Song number plus 24-character x 2-line LCD
Function Indicators	LEDs, including drive/disk-number indicator
Drives	CD and floppy disk
Switches	Power, Host Select (MIDI, PC1, PC2, Mac)
Dimensions (W x H x D)	227 x 87 x 180 mm (9" x 3 1/2" x 7")
Weight	2.2 kg (4.8 lbs)
Outlet Box	Speaker jack, AC outlet
Connectors	MIDI In/Out, AUX In/Out (R, L/Mono), Headphones x 2, To Host (serial port), To Piano, CD Control, Audio/Analog MIDI In, Foot Controller
Ensemble Tone	
Type	Advanced Wave Memory 2 (AWM2)
Polyphony	32-note max.
Ensemble Parts	16
Voice Module Modes	XG, GM
Normal Voices	676 (480 selectable)
Drum Voices	21 kits total (11 selectable)
Pitch	Set at A=440, tunable ±50 cents in 1-cent steps (in unison with digital piano tone)
Sound Muting System	
Mechanism	Motor-driven hammer shank stopper (center pedal activated)
Action Compensation	Quick Escape mechanism
Piano Tone	AWM2 digital stereo sampling (CFIIS concert grand); 16 MB wave memory w/sustain pedal resonance effects
Polyphony	32-note stereo sampling/64-note
PianoSmart Technology	Yes
SmartKey Capability	Yes
Power Source	Local AC current
Supplied Accessories	Wireless remote control unit w/batteries, PianoSoft sample disk, CD software, blank 3.5" HD floppy disk, owner's manuals, HPE-170 headphones, audio cable (stereo RCA to stereo 1/4" plug)
Optional Accessories	FC-4, FC-5 foot switches, FC-7 foot controller

Specifications are subject to change without notice. Given the design of the Mark IV Disklavier, future upgrades can deliver features and specifications not found in this brochure.



Top-of-the-line Disklavier grands for studio and professional use

Optimized to the meticulous standards of professional music production, recording engineers, and serious academics, Disklavier PRO Series grand pianos have been both scaled up and down to offer everything this class of musician needs and nothing they don't. With fewer luxury features and greater emphasis on sensors and playback solenoids, these instruments are ideal for applications ranging from recording, collaboration, and conservatory study to film scoring, music broadcasting, and multimedia/Internet content development. Their advanced components and technologies, incorporated into top-of-the-line Yamaha grands, can record and reproduce virtually every nuance of musical expression with impeccable precision. And their comprehensive range of MIDI and Sound Muting features makes it possible to create, capture, refine, and transmit performance data with unprecedented ease, accuracy, and flexibility.

For more information on these models, please ask your Yamaha dealer for a Disklavier PRO Series brochure.

YAMAHA CORPORATION

P.O.Box 3, Hamamatsu, 430-8651 Japan

Piano Website

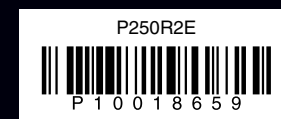
<http://www.yamaha.co.jp/english/product/piano/>



ISO 14001 Certified



ISO 9001 Certified
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