

# SONY

## KDL-40R450A

### 40" (diag) R450A Series LED HDTV

Introduce your home to the true beauty of Sony HD. Full HD 1080p image detail and bright LED backlighting are just the foundation for a great picture. Everything moves naturally with Motionflow™ XR 120 technology that delivers clear, realistic sports and movie action. Smartphone ready - video, photos and apps on the phone are re-sized and scaled to fit the larger



#### Bullets

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- Brilliant Full HD 1080p picture quality
- Direct LED for a bright picture and slim design
- Smooth movement with Motionflow™ XR 120
- Smartphone ready - TV that's made for your smartphone<sup>1</sup>
- Crisp detail & contrast w/ Clear Resolution Enhancer
- Share your pictures on the big screen via USB input
- Three HD inputs for a cable box, PS3™ and more<sup>2</sup>

#### Features

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##### Full HD 1080p

Nothing expresses crystal-clear detail like Full HD 1080p picture quality. Take advantage of the all-out HD glory of broadcast TV, satellite and other HD sources like your Blu-ray Disc™ player or PlayStation®3 entertainment system.

##### Bright and slim

Powerful yet thin LEDs deliver a brighter picture than conventional LCD backlighting. They also help achieve a slimmer TV design that looks beautiful in your home. What's more, Sony's Direct LED Backlight technology delivers outstanding contrast, rich colors and enhanced dark-scene detail.

##### Silky smooth

Recreate the movement of real life. Sprinters accelerate clearly with less blur, so watching from home feels like you're watching from the stands. By minimizing judder, Motionflow™ XR 120 technology helps fast-paced action look natural for a more authentic view of the game.

##### Your smartphone, now on TV

Movies, music and apps from your smartphone can now be viewed big on your TV. With the smartphone ready R450A, Sony is helping you add value to the entertainment you already own.

Using a Mobile High Definition Link cable, you can connect your smartphone to the TV to literally "mirror" what's seen on the smartphone screen. Video, photos and apps are re-sized and scaled to fit the larger TV screen. You can then use the TV remote to navigate the phone, while it's charging from the TV.<sup>1</sup>

##### USB input for your camera and more

Share your vacation photos instantly on the big screen or listen to your favorite music. Simply connect your compatible digital camera, USB-enabled MP3 player or USB storage device directly to your HDTV's USB input. It's a fast and simple way to relive the memories without a hassle. Even choose between slideshow, clock and calendar viewing modes.

##### Clearly different.

Fine details and textures appear in whatever you're watching, even in flat areas. Powered by Sony's advanced noise reduction algorithm, this technology boosts image clarity with heightened contrast and depth that you won't find on most televisions.

##### Photos on the big screen

Turn your TV into a super-size digital photo frame. Connect a digital camera, USB thumb drive or cloud photo services. Then enjoy your photo collection with a choice of attractive slideshow, clock and calendar display modes.

##### 3 HD inputs

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Plug into the action with versatile HD connection options. Three HD inputs include two HDMI® inputs for sources like your HD cable box, home theater system, Blu-ray Disc™ player or PS3™ system, and one HD component input.<sup>2</sup>

## Specifications

Audio		Show/Hide Channels	Yes	Start Up Sony Logo Display	Yes
Audio Power Output	8W + 8W	Sleep Timer	Yes	Inputs and Outputs	
Speaker Configuration	Full Range (40x100mm) x2	Twin Picture	PIP & PAP (Fixed)	AC Power Input	1 (REAR)
Speaker Position	Bottom	USB Play	Yes	Analog Audio Input(s) (Total)	1 (Rear)
Audio Features		USB Play (Contents)	MPEG1/ MPEG2TS/ MPEG2PS/ MP3/ Jpeg	Audio Out	1 (Rear)
Alternate Audio (Digital)	Yes	USB Super Multi-Format Play	Yes	Component Video (Y/Pb/Pr) Input(s)	1 (Rear Hybrid w/ Component)
Audio Out	Variable/Fixed	Design Features		Composite Video Input(s)	1 (Rear Hybrid w/ Component)
Auto Mute (on no signal)	Yes	Stand Design	Square / Glossy Black	Digital Audio Output(s)	1 (Rear)
Dolby®	Dolby Digital	Display Features		HDMI™ Connection(s) (Total)	2 (1 Rear, 1 Side)
Invisible Speaker	Yes	Backlight Type	Direct LED	HDMI™ PC Input	Yes
Sound Booster	Yes	Display Device	LCD	MHL	Yes
Sound Mode	Standard Music	Display		RF Connection Input(s)	1 (Rear)
	Cinema	Aspect Ratio	16:9	USB 2.0	1 (Side)
	Game	Display Resolution	Full HD	Power	
	Sports	Dynamic Contrast Ratio	over 1 million	Power Consumption (in Operation) max.	89 (W)
SteadySound® Automatic Volume Control	Yes	Screen Size (cm)	101.6(cm)	Power Consumption (in Standby)	Less than 0.2 W with 120V AC, less than 0.3 W with 240V
Stereo System	MTS(AUTO SAP)	Screen Size (measured diagonally)	40"(40.0")	Power Requirements (frequency)	50/60Hz
Convenience Features		Viewing Angle (Right/Left)	178(89/89)	Power Requirements (voltage)	AC110 ~ 240V
BRAVIA® Sync™	Yes	Viewing Angle (Up/Down)	178(89/89)	Recycled & Recyclable Materials	
Channel Jump	Yes	Energy Saving & Efficiency		Packaging Materials	Recycled Carton (more than 70%)
Channel Surf	Yes	Backlight Off Mode	Yes	Regulation and Standards Compliance	
Edit Channel Labels	Yes	Dynamic Backlight Control	Yes	VESA® Hole Spacing Compatible	Yes
Favorites (Simple UI)	Yes	Energy Star® compliant	Yes, V5.3 & V6	Sensing Features	
Info Banner	Yes	Power Consumption (On Mode) for Energy Star	53.9 W	LightSensor™ Technology	Yes
Input Skip	Yes	Power Consumption (Standby Mode) for Energy Star	0.13 W	Service and Warranty Information	
Label Inputs	Yes	General Features		Limited Warranty Term	12 months
Multiple Language Display	English/ Spanish/ French	Audio Return Channel	Yes	TV System	
On/Off Timer	Yes	Closed Captions (CC)	Analog Digital	Channel Coverage (Analog)	VHF: 2-13/UHF: 14-69/ CATV: 1-135
On-Screen Clock	Yes	Demo Mode	Yes		
On-Screen Display for External Input	Yes	Finish (Surface Color)	Black		
Parental Control	Yes	Hotel Mode Menu	Yes		
Photo Frame Mode	Yes				
Scene Select	Music				
	Cinema				
	Game				
	Graphics Sports				

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Channel Coverage (Digital Cable)	CATV: 1-135
Channel Coverage (Digital Terrestrial)	VHF: 2-13/UHF: 14-69
Color System	NTSC 3.58
Number of Tuners (Terrestrial/Cable)	1(Digital/Analog)
TV System (Analog)	M
TV System (Digital Cable)	Clear QAM
TV System (Digital Terrestrial)	ATSC

## Video

Video Signal	1080/24p (HDMI™ only) 1080/60i 1080/60p (HDMI™ / Component) 480/60i 480/60p 720/60p
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## Video Features

24p True Cinema™ Technology	Yes
3D Comb Filter	Yes
4:3 Default	Yes
Advanced Contrast Enhancer (ACE)	Yes
Auto Wide	Yes
CineMotion® Reverse 3:2 Pulldown Technology	Yes
Clear Resolution Enhancer	Yes
Digital Noise Reduction	Yes
LED Motion Mode	Yes
Live Color™ Technology	Yes
Motionflow™ Technology	Motionflow XR 120
MPEG Noise Reduction	Yes
Picture Mode	Vivid Standard Custom Cinema Graphics
Wide Mode	Full Normal Wide Zoom Zoom Normal/Full1/Full2 for PC

## Weights and Measurements

Dimensions (Approx.)	TV only: 36 3/8 x 21 5/8 x 3.2 in (923 x 548 x 76.5 mm) TV with stand: 36 3/8 x 22 3/8 x 7 1/4 in (923 x 567 x 181 mm)
Packaging (Approx.)	Carton Weight: 22.1 lbs (10.0 kg) Carton Dimensions: 42 1/8 x 25 x 5 7/8 in (1069 x 634 x 149 mm)
Weight (Approx.)	TV only: 15.7 lbs (7.1 kg) TV with stand: 16.3 lbs (7.4 kg)

## Accessories

Supplied Accessories	AC Power Cord (US 2Pin with Polarity, Pig Tail) Table Top Stand (assembly required) Operating Instructions (US) Warranty (12 months) Remote Control (RM-YD092) Screws Batteries (R03)
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1. Requires Mobile High Definition Link-compatible smartphone to be connected to the TV with a Mobile High Definition Link cable, sold separately.

2. Cables sold separately.

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