

232-ATSC 4 Installation Guide



There are 3 ways you can change the settings:

- **Front Panel.** Press the SETUP button use the Up/Down buttons to move through menus, Left/Right to change settings, then press SELECT to store the changes at each step.
 - Press SETUP to access the front-panel menus
 - Use the Up and Down arrows to step through each menu
 - Use the Left and Right arrows to choose and option
 - Click Select to save the change for each menu
- **IR.** Use the included IR remote to turn on/off, scan for channels and access on-screen menus. All the IR functions can be accessed from the front-panel buttons
- **Ethernet.** Access the onboard Web pages. Helpful for remote access when system is fully integrated with site Ethernet.

The front panel LCD shows the current channel and name, if the HD analog output is set to RGBHV or YPbPr, resolution of the channel, and if it's on Air or Cable.

Quick Front-panel Setup

RGB or Component	Click the SETUP button, use Up or Down to HD Output menu, use Left or Right keys to choose input, press SELECT to choose. HDMI is always active.
HD Resolution	Go to the next menu down, and cycle through the list of resolutions. Press SELECT to choose. Note that our Component port supports 1080p – we've found a number of TVs that support that resolution.
Air or Cable Tuning	Go to the next menu and select CATV, Air, IRC, HRC, or CATV Auto. Press SELECT to choose. IRC has the same channel map as standard CATV, except for 5 and 6. The HRC channel map uses completely different frequencies than the others. CABLE AUTO looks at the first few channels to determine the right format. If there are no channels between 2 and 6, you may have to set the tuning mode manually.
Select Scan Mode	Page down a number of menus to the Scan Mode menu. The Left or Right keys will select several options Analog+Digital (standard full scan) Digital – Delete Analog (scan for digital, delete any analog channels) Digital – Keep Analog (scan for digital, but keep all analog channels) Analog – Delete Digital (scan for analog, delete any digital channels) Analog – Keep Digital (scan for analog, but keep all digital channels) Once you do the next step, scan from the front-panel menu, the tuner will always scan this way from the panel or on-screen menu – until you change the mode later on.
Channel Scan	The next menu starts the Channel Scan , just press SELECT to start scanning. You can watch the scan progress from a pop-up window on the video outputs from the tuner. You can watch the scan process if the output of the tuner is fed to a display. A Cable analog/digital scan will take 7 minutes, only digital 6 minutes (the analog scan is faster).

Channel Tuning – On-Screen menus



IR Menu Control – use the IR remote's red **Menu** button or click the blue front-panel **Menu** button to access on-screen menus.

Scan Channels	Press the Blue MENU button, Channel, Auto Scan , then scan mode - usually Cable Auto for cable, Air for off-air channels. The tuner will automatically delete encrypted Cable programs. Wait for the tuner to finish analog scanning; then it will re-scan channels for digital. Press SELECT when tuning analog to skip to analog and skip to a digital channel scan.
Audio	Press Blue MENU button, Setup, Digital Output , then Dolby, PCM or PCM Variable. If you get a "motorboat" sound for digital sound, switch to PCM.
Screen	Press Blue MENU button, Setup, Screen Format and select between 4:3, 16:9 and Zoom options. Stores two different options for digital and analog channels. Options vary in analog and digital, and the channel itself may restrict your options. You can also use the RATIO button on your remote.

The 232-ATSC 4 can be mounted as a single unit, or 2 across as single rack space



RK2EZ Dual Rack Kit with Tie Bar Mounting

The 232-ATSC 4 is a slot in the bottom middle of the case. This will accept a tie bar that will lock the two enclosures together without taking the cases apart

1. Check that your enclosures have the tie bar slot.
2. Slide the included tie bar into the side of one unit and attach with the included screws.
3. Slide the other unit into the tie bar, and attach the screws
4. Add the rack mounts to the sides.

RK1 Rack Kit

Screw in the short rack mount on one side, and the longer mount on the other side.