

SPIRIT FITNESS ENT REQUIREMENTS

Confirm with the facility that they meet the requirements specified below for the Spirit ENT products prior to shipping to the facility. By confirming the information below prior to delivery, it will make for a smoother installation.

TV SIGNAL REQUIREMENTS

1. Spirit Fitness ENT products support three TV signals: ATSC, NTSC, QAM.
2. The signal must be delivered to the equipment unencrypted.
3. Coaxial cable must be 75 ohm, quad-shielded RG6 cable with an F-Type compression fitting.
4. Signal strength delivered to the equipment must be: 0 dBmV +/- 3 dBmV.

NOTE: Your local AV technician or cable provider can measure the signal strength.

5. Splitters or taps are acceptable for distributing the signal, provided that the signal strength delivered to the equipment meets the required strength.

INSTALLATION OPTIONS

SET-TOP BOXES

1. Each Spirit ENT product requires a set-top box be installed near each unit. Your cable company would provide the set-top boxes.
2. The TV tuner on the Spirit ENT product needs to be permanently set to channel 3.
3. The user would use the TV remote that was provided with each cable box to make adjustments, requiring the user to point the TV remote at the set-top box to change the channel.
4. This is not the recommended solution as the remotes could unintentionally change channels on a different Spirit ENT product other than the one they are using.

SET-TOP BOXES WITH BROADCAST VISION CONSOLE ADAPTER

1. The use of a Broadcast Vision CAB redirects the TV commands from the Spirit ENT console to the set-top box without using a remote control.
2. You will need to contact Broadcast Vision and tell them the cable provider in your area.
3. You will then install the CAB that is set up to work with your specific cable provider.
4. The CAB is installed at the front of your product via the COMM port and then attaches to the set-top box.

MULTIPLE DIGITAL TO ANALOG (MDTA) OR QAM-TO-QAM (Q-TO-Q) UNIT

1. The device should be installed in an AV closet away from the Spirit ENT products.
2. These devices take the incoming signal and decrypt it, converting it into an unencrypted analog signal (MDTA) or into an unencrypted digital signal (Q-to-Q).
3. Users on the Spirit ENT equipment will use the channel button on the consoles to select their channels.

SATELLITE HEAD END SYSTEM

1. A head end system works similar to a MDTA unit with some key differences.
2. With a head end system, a rack is installed in an AV closet.
3. A selection of set-top boxes is placed on the rack with each box set to a specific channel.
4. The encrypted signal is decrypted and set to the specific channel by each set-top box.
5. This can be digital or analog, depending on the set-top box used.
6. A modulator device takes the signal from all of the boxes and combines it into one, allowing you to send it out to every screen in the facility.