



Xybiz Systems, Inc.

ErgoPower Dispatch Console Furniture

Xybiz is the manufacturer of the ErgoPower products and only sells direct to the end user. Xybiz does not offer products or parts to any resellers or distributors.

The rationale for the purchase of Xybiz ErgoPower Dispatch Console Furniture is a combination of factors which relate to the performance of the product in the intense, stressful, high-pressure, working environment of a Communications or Control Center. Xybiz ErgoPower Dispatch Consoles are designed to provide the most comfortable and least stressful work environment possible.

Listed in order of importance are critical areas of performance:

- I. **Ergonomics - Adjustment Range** - Xybiz Systems, Inc. is the **only** Dispatch Console manufacturer to fully meet the monitor and keyboard positioning guidelines established by the Human Factors and Ergonomics Society in their *American National Standard for Human Factors Engineering of Visual Display Terminal Workstations and its most recent version BSR/HFES 100 - 2007*. This is especially critical at the lowest monitor settings to enable the 5th percentile seated female user to view large monitors (21") at proper view angles of 15° to -20° downward from horizontal eye level.
- II. **DataDock – is a Xybiz-exclusive data connection bay that is located on the back edge of the keyboard surface. Data Dock offers easy access and manages cables from the keyboard desktop.** Allowing the ability for the dispatcher to disconnect and connect keyboards and mice from either USB or PS2 from an easy access port in the top of the keyboard surface. The DataDock also lets the dispatcher plug in either RJ11 or RJ45 cords for phone and data. This lets a dispatcher replace a keyboard or mouse without having to crawl under the station potentially unplugging the wrong thing. This is exclusive to Xybiz.
- III. **Strength and stability of the console - Keyboard/Input surface** - The input surface of a dispatch console is the primary interface with the user and must be strong and stable even at full extension. Xybiz Systems, Inc. input surfaces are not “hung” from the monitor surface, but are supported by their own set of lifts which transfer all loads directly to the floor. Xybiz Systems, Inc. input surfaces can lift 300 lbs. and can support a 500 lb. static load. This is important because users will often abuse the product by leaning or sitting on it. Some larger users use the input surface as an aid in standing. No “keyboard hanging mechanism” also means that there is a clear and clean knee space without obstructions.
- IV. **Strength and stability of the console - Monitor Surface** - The monitor surface must be capable of supporting up to six monitors while retaining its stability at full extension. This is particularly important in areas subject to seismic activity. Monitors surfaces can lift 300 lbs. and can support a 500 lb. static load.



- V. **Ease of access to electronic equipment** - Electronic equipment must be positioned in such a way as to permit easy access for re-booting or the servicing of CPU's without removing panels or crawling under the console in the dark. Xybix Systems, Inc. designs all electronics cabinets with either a side entry door, flip-top surface with angled monitor access, or slide out shelves for up-front easy access and redundant built-in fan ventilation to keep equipment cool. This makes service easier for both "techs" and outside contractors to access necessary equipment.
- VI. **Wire Management - Panel Enclosure** - The Xybix Systems, Inc. panel enclosure is designed to act as a supplemental raceway, which provides easy access and separation of hi-voltage, electrical power from category 5e / 6 cabling and RF cabling as well. The panel top cap can be easily removed for instant access to the wire raceway. Future equipment cabling can be added in minutes, without disrupting the function of the communication center. This is important, because ease of access in the panel enclosure means that fewer "taps" into the floor are required and the interior of the system can also be used for mounting accessory boxes for TDD's and other equipment.
- VII. **Wire Management - Console** - All Xybix Systems, Inc. consoles are equipped with a 3" x 4" **"J" channel** around the back of the monitor surface which is useful for managing cords and transformers from monitors, task lights and other desktop equipment. Cables can be simply "laid in" with no requirement for zip ties or Velcro retention straps. All cables from the input surface to the monitor surface **and** from monitor surface to CPU cabinet or panel enclosure are housed in an easy access "energy chain". This feature prevents random cables hanging under the console and assures proper cable bend radii are maintained, yet still allows easy access for service.
- VIII. **Wire Management – Cable Bridge and Lift Cases** All wiring in the foot well area must be securely tucked away yet have ease-of-access if wiring or components require service. The lift cases that surround our lifts are designed to provide stability and also encase lift controls and cables with easy access panels on the top and sides. Cable bridges attach a lift case to a CPU cabinet allowing separate cable chase paths for power and data with the enhanced feature of strength and stability for the entire console.
- IX. **Wire Management – CPU Cabinets** Wires and cables in CPU cabinets must be managed to avoid entanglement if CPU shelves are moved in and out. Xybix Systems, Inc.'s flexible cable management arm keeps all cables securely attached and allows the CPU's to be moved in and out while keeping cables organized. Space below the cabinet is available for storage of excess cable length.
- X. **Panel Enclosure** - Panels need to be *horizontally modular* in no more than 6" increments in order to best fit into existing space. Panels should also be *vertically modular* – with 18" "stack-ons" - to allow for future changes, addition of glass panels or need for separation of functions. Panels should also be of *non-combustible construction* and utilize "Class A" Flamespread rated finishing materials. The panel enclosure serves as a sight barrier, a sound blocker / absorber and as a raceway for electrical and cabling services - it should be easy to assemble, move and service while meeting all industry standards.



- XI. **Rollervision** – Rollervision is a focal depth adjuster for LCD monitors. Rollervision is a vital component of a total ergonomic solution. Monitors are arranged to maintain equal focal depths, yet be simultaneously adjusted fore and aft up to 12” with a single easy motion. Rollervision has many different mounting arrangements and can hold up to 10 monitors in a double stacked configuration. This unique product was patented by Xybix Systems, Inc. and is only available as a part of the Xybix Systems, Inc. total solution.
- **Quick-Stack** – This innovation allows customers to easily add a vertical monitor bar onto the Rollervision vertical posts, providing a monitor knuckle for a fast add-on monitor solution.
 - **Monitor Knuckles and Mounting Hardware** – When you add a single monitor to the existing RollerVision, it requires a custom aluminum extrusion to connect the knuckle and the vertical face of the RollerVision. Xybix is the only provider of the RollerVision face, and the mounting method and component parts to make it work.
- XII. **GreenGuard Indoor Air Quality Certification** is an issue that both private and governmental entities must incorporate into their planning for new and renovated facilities. Reduced emissions from office and institutional furnishings are a key component of “green” construction techniques. Nine states have already mandated green construction for all public buildings. It is only prudent for manufacturers to begin the process of changing their products to minimize or eliminate harmful emissions. Xybix Systems, Inc. has passed the stringent GreenGuard certification for the entire ErgoPower console system.
- XIII. **Collision Detection Technology** – User safety is a critical component of console design. Any moving surface has the potential for entrapment of hands, arms or equipment if it is inadvertently run up or down onto a fixed object. XYBIX Collision Detection Technology (CDT) incorporates sensing devices which will immediately stop and reverse 5 cm if any unusual load is detected. This technology works when the surface is moving up or down and works on both the monitor and the keyboard surface. CDT technology is far superior to a “safety bar” which only works on the keyboard surface under the kneespace and only in the down direction.
- XIV. **MyClimate** – allows users to control their own personal climate. A centrally located work surface hand control gives users the ability to easy adjust their environment throughout their shift. This includes the ability to dim and brighten up to two task lights or eye strain back-light lighting. Individual cooling fans can be turned on and adjusted to variable speeds and they have removable, washable filters. Two, 250-watt forced air heaters are direction-adjustable with medium and high settings plus a status indicator light are easily controlled by a push “on/off” button. The entire unit is motion sensitive to turn off after 15 minutes with no activity and power-on when the user returns.
- XV. **Factory Certified Design / Installation / Service** – Because the needs of a Communication Center are extremely diverse and complicated, the requirement to successfully integrate the sophisticated electronics or radio package and all the specialized electrical service and computer cabling into an ergonomically correct, dispatcher friendly furniture product takes an experienced and coordinated team. This applies to the design, manufacture, installation, and service of these products. Only through years of experience can this expertise





effectively coordinate and control of all elements including; space and equipment planning, manufacturing, shipping, jobsite coordination with other vendors, and installation expertise. XYBIX's certified installation team couples with all members of manufacturing and logistics to maintain satisfactory results every day on each project.

Xybix has been an American-made manufacturer in the industry for over 30 years with a focus on the 911 sector. We have performed over 10,000 installs in dispatch centers across the county. We focus heavily on ergonomics, ensuring that the quality and craftsmanship we put into are products are centered around a dispatcher. We take into account both their comfort needs as well as protection of the expensive equipment that is housed at each console.

In speaking about the other company you are looking at, Winsted, they may supply a more cost-effective option, but are missing key components that a quality dispatch environment require. These features include:

- 1) Ergonomic adjustment – Xybix meets all ergonomic specifications (ANSI/HFES) to accommodate users that are 4’10” tall up to 6’3” tall. We meet all 6 key performance indicators: keyboard surface height, monitor surface height (surfaces go down to 22” and up to 48”), focal depth adjustment (can move all monitors forward and back 10” with our Rollervision monitor mount), monitor orientation, primary reach zone (keyboard and mice easily accessible), and leg space (no equipment under the user).
 - a. Winsted’s furniture does not meet these specifications
- 2) Acoustic panel barriers – these include .55 NRC absorption that focuses on decreasing sound in an active call environment
 - a. The proposed Winsted furniture does not include any acoustical benefits
- 3) Equipment cabinet enclosure – important CAD, phone, radio, etc. equipment is placed inside of an environmentally controlled cabinet to protect them from spills, kicking, and allows for easy yet controlled access by techs.
 - a. The proposed Winsted furniture has equipment exposed and in a location that is under the operator’s feet
- 4) Custom storage solutions – Included in the proposal are unique storage options specific to your room, including, peninsula with rotating resource guide, mail slots, and file drawer storage
 - a. Winsted proposal does not include these storage solutions

The quality of product is matched by quality of service. Winsted is a catalogue model in how it sells furniture. They also focus heavily on security and surveillance environments – you will notice that their website does not list Public Safety as a market they service. Xybix is a custom furniture company, built to fit your room and equipment needs. We have focused our business on 24/7 environments – specifically in 911 dispatch. Our team provides in-person service to take appropriate dimensions and gather pertinent equipment information, to ensure that the product you receive fits your environment and users appropriately. In the initial meeting on site, our sales team worked directly with your dispatch team to gather all equipment information and wants for their space. Our design team took these features and brought the vision to life, providing a superior visual to truly envision the space. Purchasing from a catalog, you lose details in translation – Winsted is not supplying equipment storage, a central peninsula, mail

slots, areas accounting for printers and phones, or creature comforts like lighting and cell phone charging.

Our service team also consists of a top quality in-house installation team, who are Xybix employees that perform installations every day in PSAPs across the country. You are assigned an installation point of contact that coordinates install dates and can help answer any questions from other parties involved in the install (radio vendors, facilities, IT, etc).

Post-installation, Xybix offers a 5 year labor + 6 year parts warranty that is all managed directly through Xybix. We also have a 24/7 Customer Service line to help with any issues that may arise down the line. – Winsted only has a 2-year warranty on electrical components.

We are confident in our ability to exceed expectations in furnishing your dispatch center. Agencies near you have entrusted us with their remodels: Pasco County, Port Richey PD, City of Tampa, Clearwater, Temple Terrace, etc. We welcome any questions and are happy to supply any resources that may help move this project forward. We hope to work with you!