

# KR Consoles

## // KR Consoles Series

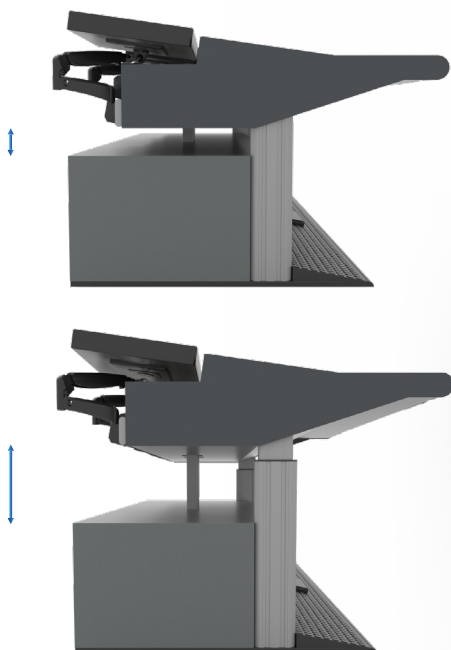
The long-standing involvement of SITTI in the Air Traffic Control and Control Room management field suggested the design of the KR console series, by putting together the vast experience accumulated in many years of successful presence on the market. The current technological trend is going towards a larger and larger integration of different information sources into multifunctional terminals.

Interactive maps, tracking radars, flight plans, electronic strips, surveillance cameras, and many other data, voice, video sources and streams are being integrated to reduce the amount of devices on the operators' desks, with the intent of reducing the effort needed for getting information and increase their situational awareness. Concentration and integration are the keywords in this paradigm.

## Motorized

To give operators a better view over the area under their responsibility and to allow them to work both sitting at their desk and standing while watching what's going on or just stretching their legs, KR consoles are equipped with three electrical actuators that allow the working area to be adjusted in height, according to the operator needs.

The possibility of adjusting the height of the working desk provides these consoles with a great usage flexibility and makes them fit for a very large number of applications. The overall adjustable height is about 400 mm. Sensors prevent danger to the user by automatically stopping the movement when any counter-pressure is detected.



## Simplicity

Simplicity is the goal in the development of KR consoles. Priority has been given to simplicity in the design and the required operating functionality, centred on the operator and his task requirements. The result is a product that is the right solution for applications where many different data sources are to be considered simultaneously, without losing the capability of having excellent situational awareness, especially where it is needed to have direct eyes on a physical area, like airfield towers.

## Standard features

All KR consoles have a low profile that best suits to airport towers and control rooms. The console aluminium body may contain standard 19" equipment and devices, accessible from the rear in a seamless way that is not disturbing the operator at work. Access from the front is also possible.

They provide operators and controllers with:

- Large operative area in MDF, covered with linoleum or laminate
  - Wide writing plane
  - Headset/handset insertion panels
  - Slant surface for holding monitors and keyboards of different sizes
  - Durable surface, easy to clean



- Internal space for equipment and devices
  - 2 standard 19" racks inside the console
  - Protected power distribution
  - Heat dissipation solutions
- Removable panels for maintenance purposes
  - One panel on the front, another one on the rear side
  - Snap-on handles for quick access
  - Ventilation grids for heat dissipation
  - Side plates allowing cabling between adjacent consoles
- Miscellaneous
  - Arrangement the horizontal and vertical laying of cables
  - Anti-slip rubber foot rest board
  - Optional arrangement for foot PTT
  - Adjustable feet to compensate floor irregularities

The KR console core is made up of an aluminum profile structure giving strength, light weight and flexibility in construction. A long lasting, fireproof, non-toxic and recyclable MDF (*medium density fiber board*) material is used for the cover panels and work surfaces. Cabling is done through the false floor and then via internal channeling towards monitors and equipment.

The number of racks inside the console and their height depends on the size of the console itself. As a general rule, each console hosts 2 racks whose maximum height is 10 U each.

Colours can be freely chosen by the customer, just like the console length.

Characteristic	Default Value
Desk Height	785-1185 mm
Depth at desk level	1170 mm
Length	Customizable
Weight	110 kg/m
Colours	Customer can choose
Materials	<ul style="list-style-type: none"> <li>• Aluminium</li> <li>• Stainless steel</li> <li>• Wood</li> </ul>
Racks inside the console	2
Max height of racks	10 U
Height adjustment	400 mm

## Comfort

KR consoles have been designed to give operators the maximum comfort possible, through a series of technical measures and appropriate distancing between objects. This results in the reduction of the operators fatigue and their increased capability of concentrating on the information provided by both direct observation and monitoring instruments.

KR consoles are thought for both sitting and standing operation, resulting in an increased comfort for individual users. The overall adjustable height is around 400mm, which gives the possibility of changing the viewing angle over the airfield, the runway or the taxi area operators are responsible for. The capability of changing the height of the operative desk further increases the comfort to operators during long work shifts, permitting them to stretch their legs while continuing their job.

