

Digital USB Mobile Mini-Console

MX 2100

A landmark in technology for remote broadcasting



*Cellular telephony is the high-tech mode
of today communications...*

*Connected to a portable console,
it is the best solution for transmission
of News, Reports and Journalism
in AM and FM radios*

*A new
landmark in
high quality
FM radio*

MX2100 portable console almost as small as your cellular phone

All type of headphones and dynamic microphones can be used

The MB2100 is the world only portable console that includes:

- Compressor + AGC
- Digital USB in-out
- Equalization VQR Audio
- Bluetooth

This obtains a great sound through cellular; being able to improve, at the Studio side, the bass and treble of the original quality of the voice, using the **VQR (Voice Quality Restoration)**.



The console uses CMOS operational amplifiers of ultra-low consumption, allowing the rechargeable batteries to offer **16 hours**

of continuous operation. This technology is the same used at NASA in the spaceships, to save energy.

The console incorporates one distribution amplifier for 3 headphones. Any model can be used, including those of walkman type, light and small. **4 microphone inputs; 3 inputs** for dynamic microphones and one input for internal condenser MIC.

The MX2100 preamplifiers are of the infinite headroom technology thanks to the "local feedback" technology of Solidyne.

The consoles includes a telephone Hybrid for connection to standard phone line or cellular.

It weighs only **600 grams** with battery. The cabinet is made of aeronautic aluminum; with a polished surface that harmonizes with the modern cell phones.



A steel support allows to use the console on the table or comfortably hung of your belt.

You can use the internal microphone of the console, for a fast transmission, with no need of long cables and without loss of time.



FULL DUPLEX COMMUNICATION FROM ANY PLACE AT THE WORLD



The MX2100 can be connected with a smart phone using **Bluetooth 4.0** with high audio quality. Using the free software **Skype** we will link with the radio studio in full duplex mode. With no time delay. We will have return signal in real time to make remote interviews. **Very simple to operate.**



The output level adjustment does not require needle instruments because a simple indicator of two colors marks the level.

The journalist only needs an approximate adjustment because the internal audio processor with compressor and AGC manages to maintain an output level constant. This is fundamental because the cellular phones digitize the audio signal using a very reduced dynamic range.

All your journalists will be more efficient and comfortable, using advanced equipment that can always take with them.

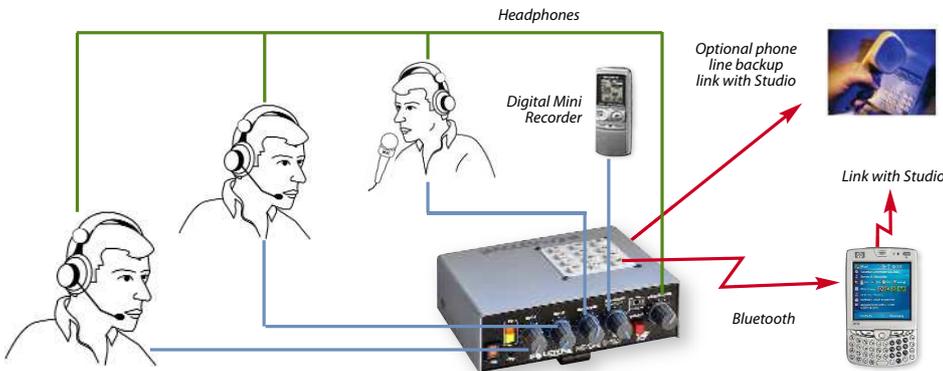


No other low cost console features the sound quality of the MX2100!

Applications A landmark in remote broadcasting

The quickest and easiest way to use it is using its internal microphone with excellent quality and headphones for sound return from studio. With rechargeable batteries that last 16 hours the MX 2100 does not even need to use a microphone.

Operation linked to Studio using a phone line or a cell phone



Journalists can transmit from a cell phone at the waist or in a portfolio They are connected by Bluetooth with the MX2100.
The audio return from studio is received at headphones.

Journalist can work stand alone



A journalist having the MX 2100 on his waist and a cell phone connected by Bluetooth can transmit from anywhere of world and hear with no delay the return of Studios.
This allows that the Journalist at studio can interview a person directly.
The optional VQR technology of Solidyne allows restoring the original audio quality of the voices.

CONNECTIVITY OF MX2100 CONSOLE

Wireless Digital Microwave Bluetooth connection with cell phone. Higher audio quality and operating comfort.

It works wirelessly with any mobile phone, the MX2100 provides wireless digital cell phone, avoiding the use of cables and connectors. Any modern phone can be connected to the console wirelessly, up to ten meters away.



It has a **DIGITAL USB** connection to a Notebook. This allows the Internet transmission using a **3G/4 G** modem. You can use full duplex Skype, without delay, with high voice quality or generating a streaming **MP3 / AAC**.

Do not need additional studio equipment, because **you receive the streaming in your studio PC...**

To simplify the operation, The console has a battery charger 110 /220 V multi-voltage.

The battery charges in one night and lasts longer than 16 hours of continuous work.



Digital audio link with studio High Audio Quality

The **MX 2100** is the **smallest** and least expensive mobile console at the world market that offers broadcasting audio quality.

Full frequency response from **30 - 15,000 Hz** using Internet streaming, or very good quality of voice, using Skype. No delay in voice transmission allows

conferencing between journalists and interviewees study remote.

It connects directly to a Notebook or Laptop via a USB port. MX2100 handles 3 microphones and handsets.

The Notebook can be connected to Internet via a cable if available, or via **WiFi**. Or the cellular network could be used, with a **3G** modem free of charge, connected to the USB port of the Notebook.

NO SPECIAL EQUIPMENT IS NEEDED AT STUDIO.

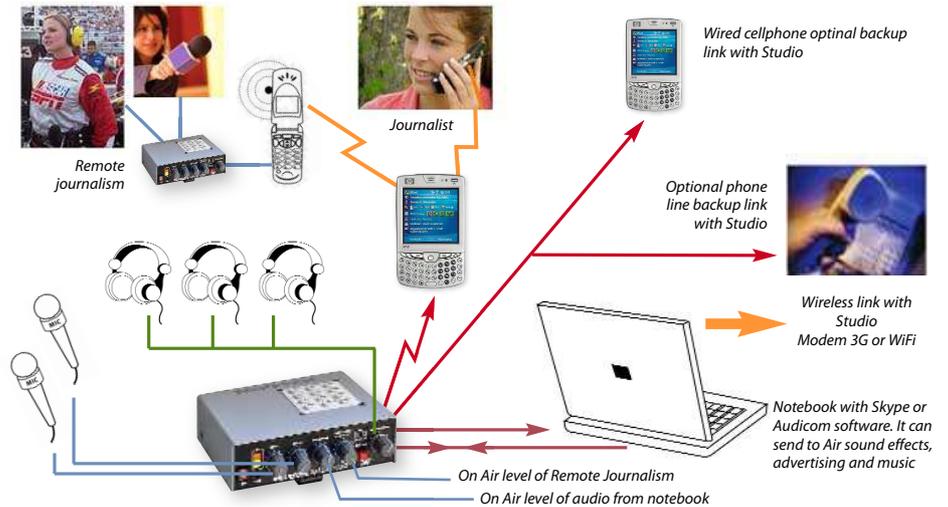
MX2100 brings a backup connection to Studio using the cell phone.



Full remote control of your radio

You can make a complex transmission in real time, without time delay.

You even can use two **MX2100** consoles for interviews. The journalists at the Studio can also ask questions. If you want to have full digital audio quality, send **MP3 /AAC+** streaming, using the **USB output** of the **MX2100** connected to a Notebook or Tablet. But probably the best approach is to use a smartphone linked to studio by **SKYPE** and connected with the **MX2100** by **Bluetooth**. This way we will communicate bi-directionally without delay, from anywhere in the world at no cost. Furthermore the **MX2100** provides a second backup link by fixed or mobile telephone line.



The MX 2100 can be used alone or combined with the VQR technology

Technology VQR (Voice Quality Restoration) is an invention of Solidyne that allows to reconstruct the original sound of the human voice, adding the frequencies lost during the telephone transmission.

VQR operates analyzing the sound transmitted through a cellular phone or a telephone line. It searches into the reduced frequency band transmitted, for the residual information of the low frequencies eliminated by the telephone transmission. Although the ear does not

listen to it, the engineers of Solidyne have found the way to detect this weak residual signal. Also, the high frequency components are found. From these weak information, it is possible to reconstruct at 80% the original sound between **50-12,000 Hertz**. The reconstruction is sufficiently

good, that almost all the AM radio listeners (and 95% of FM) think that the sound is generated inside the radio Studio. **VQR** restoration, unlike other technologies, does not have the annoying time delay that the journalists categorically reject, technology **VQR** is totally instantaneous.

Wireless Digital Bluetooth 4.0 connection with cell phone.

Higher audio quality and operating comfort.
It works wirelessly with any mobile phone.



The MX2100 provides wireless digital cell phone, avoiding the use of cables and connectors.

Any modern phone can be connected to the console wirelessly, up to 10 meters away.

This allows to have the cell phone in your belt or near a window for better reception.

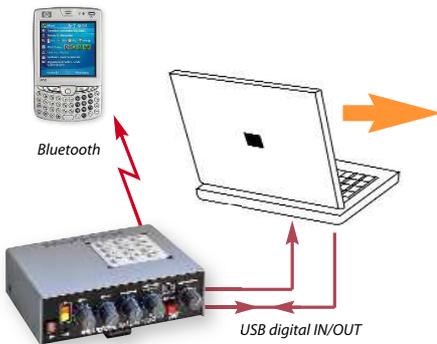
DO YOU KNOW WHAT BLUETOOTH MEANS?

Bluetooth is a microwave link that all modern phones have.

It is an international standard that replaces the cumbersome wires and connectors that were previously employed. It has a range of ten meters.

The audio quality is better than an analog cable because the **Bluetooth** is fully DIGITAL.

Solidyne is a pioneer in **Bluetooth** link of professional audio devices.



THE MX2100 ALSO HAS A DIGITAL USB CONNECTION TO A NOTEBOOK

This allows the Internet transmission using a 3G/4 G modem.

You can use full duplex **Skype**, without delay, with high voice quality or generating a streaming MP3/AAC. **You do not need additional studio equipment** because you receive the streaming in your studio PC.

 **INFORMATION**

Technical specs, photos, videos and audio demos:

www.solidynePRO.com