



5 things you never knew about MIPRO

#1

MIPRO was the first manufacturer to introduce Automatic Channel Targeting (ACT)

ACT is a way of remotely programming the operating frequency of a hand-held or body pack transmitter. This eliminates the need to have multiple fixed frequency transmitters or having transmitters with selector switches that can be difficult to use or understand.

ACT works by first selecting an operating frequency on the receiver and then transmitting the frequency "request" to the transmitter over an infra-red (IR) link between the two devices. The transmitter then immediately "locks" to the requested frequency. The frequency of the transmitter can be changed at any time by simply selecting another frequency on the receiver and retransmitting the change request. The system is fast, extremely reliable and is very user-friendly.

#2

MIPRO was the first manufacturer to introduce a truly Digital radio microphone system

Radio Microphone manufacturers have been experimenting with digital systems for many years but until MIPRO introduced the ACT-81/82 series a couple of years ago no-one really had a system that was capable of matching the critical performance standards of analogue systems. The MIPRO Digital series adds a new usability to performance radio systems offering stunning performance and CD quality audio.

#3

MIPRO was the first manufacturer to introduce a secure RC4 based audio encryption algorithm to a performance radio mic system

RC4 has become part of some commonly used encryption protocols and standards including WEP and WPA for wireless cards. The system used in the MIPRO ACT Digital Series locks the encryption to the receiver that initiated the encryption request. All encryption keys are random thus ensuring security. Once encryption is turned on and locked to a receiver/transmitter combination ONLY that particular combination can receive and decode the audio transmission. Another receiver is unable to listen in (even though it may be the same model and type) as it will not know the random encryption key. This makes the system especially suitable for institutions where security of presentations is paramount.

#4

MIPRO have a long list of "First to design..." Innovations. Many more than you realise!

- **First** to design an ACT (Automatic Channel Targeting) function for fast and easy transmitter channel set-up.
- **First** to design an AutoScan function for fast and easy receiver channel set-up.
- **First** to offer bright, colour LCD and VFD displays on wireless receivers. (ACT series)
- **First** to design an innovative wireless mixer and interlinking transmitter / receiver system (MA-909).
- **First** to design the innovative MR-90 wireless interlinking receiver to fit any one or more remote active speakers without the need for bulky connecting cables.
- **First** to design a portable wireless PA amplifier with built-in AutoScan & ACT function receiver modules and CD player with pitch control (MA-707).
- **First** to design a built-in retractable handle and sturdy wheels for easy portability (MA-707).
- **First** to design 4 hot-swappable diversity receiver modules in a 1U wireless receiver.
- **First** receiver equipped with a "Noise" LED indicator. Users can first identify whether the receiver is experiencing interference and then make accurate adjustments in the receiver's sensitivity to eliminate the interference and establish optimal performance.
- **First** system's default output level is accurately pre-adjusted to match the microphone capsule's sensitivity and designed to deliver an optimal performance without over load distortion.
- **First** Taiwanese wireless mic manufacturer to win the prestigious "Taiwan Quality Product Symbol" and nominated in the TEC awards for best wireless technology.

#5

MIPRO headquarters looks like a hotel!

Ok, we're making a joke about it but the building is impressive both inside and out!

The Taiwanese MIPRO Corporate headquarters is strategically located in the heart of Chaiyi city, minutes away from Chaiyi airport. The company is housed in an ultra modern, 7-floor, 12,000 sq. metre production and office facility – see below (no, this isn't an artist's impression, it's the real thing!)



This modern facility currently houses 200 staff and an array of the most advanced production equipment and design technology. MIPRO is Taiwan's largest manufacturer of wireless microphone and portable wireless PA systems. All products are 100% designed and manufactured in Taiwan and Japan.

The building contains Admin, R&D and Assembly facilities as well as the usual corporate meeting rooms etc. The décor and layout puts many houses to shame and includes meticulous attention to detail (see below).



MIPRO Main Entrance



Reception



Meeting Room



Manufacturing



Mr. K. C. Chang, the CEO and founder of MIPRO Electronics, is a truly dedicated, experienced Audio and RF engineer. His youthful hobbies of audio and wireless related electronics ultimately led to a very successful career in the professional audio electronics industry. He has a passion for RF and Audio and is actively involved in both day to day running of the company and its subsequent innovations.

More information on Mr Chang, a true audio pioneer, can be obtained here: http://www.mipro.com.tw/link/1_2.htm

Whilst relatively unknown in some professional audio circles MIPRO is a force to be reckoned with. The company remains one of the leaders in wireless innovation and technological development and is even ahead in many technologies when compared to the well-known world brands. It's not widely published but MIPRO already manufacture radio microphone systems for a number of very well known brands. With continued innovation and strong research and development, MIPRO is poised to continue to introduce wireless solution products well into the future.