



RECEIVERS

AX400

AX700



AX700

- | Innovation in the receiver image by ivory color.
- | Advanced design suitable for the high technological received.
- | Tone control capable of any desirable volume level.
- | External speaker jack.
- | Headphones jack in the front panel. You can enjoy the AX700E Series with the ear phones.
- | Recording terminal to which a tape recorder can be connected.
- | DC 8V output terminal.
- | Dimmer switch capable of changing brightness of the band scope.
- | Besides the attached rod antenna, M-type connector for outdoor antenna.
- | As the power source, an AC adaptor for PC 13.8V is attached.

There are innumerable waves ranging from well-known ones to unknown ones up in the sky. The AX700E Series is a wide band VHF/UHF continuous coverage receiver that can realize to hear various information (especially, local one) that you can not hear with general and conventional radios and transceivers.

The AX700E Series is equipped with lots of Standard-exclusive VHF/UHF features, for instance, spectrum scanner. The AX700E Series is a widely enjoyable receiver as an information source to catch target waves speedily and for monitoring the band status.

EQUIPPED WITH LARGE SIZED SPECTRUM SCANNER CAPABLE OF WATCHING WAVES

A big progress in wide band receivers. The AX700E Series enables you to watch waves (by your eyes) like a radar, instead of searching for waves (by your hands). Furthermore, easy-to-watch 45*60 mm large display indicating existence and crowdedness closely at a glance. It is possible to watch either wide ranges or very limited ones closely, since that frequency range is switchable in turns like 1MHz - 250

(260)kHz - 100kHz - 250(260)kHz - 100kHz - 250(260)kHz...

SPEEDY SELECTION, WATCHING THE DISPLAY

Station selection is simple, accurate and speedy. Spectrum is indicated in the display when signals are received. A station can be selected by only one touch with positioning the cursor on spectrum indicated. Of course, station selection can be done not only by direct key-in of the ten keys but also by UP & DOWN key and the rotary channel selector.

100 CHANNEL MEMORY, PLUS 10 BAND MEMORY

Big capacity, fun to ham mania. You can put 100 preknown stations and 10 certain bands into memory freely. For example, if you put 156.00-163.275MHz into memory, you can monitor the marine band at once. At the time of the memory setup, not only frequencies but also receiving mode, indicated width of the scope can be memorized. So, it is unnecessary to set them up again at every time of station change.

4 KINDS OF SEARCH SCAN CAPABLE OF KNOWING EXISTENCE OF SIGNALS AT A GLANCE

1. Normal search = searching for all frequencies
2. Program search = Searching for the specified frequency range
3. Memory scan = Scanning of all memorized frequencies
4. MSM scan = Scanning of the specified frequencies out of the memorized Direction of the search/scan can be set up: upward or downward.

AUTOMATIC SEARCH BY 4 SCANNING MODES

1. Hold = Scanning stops at a frequency where a signal is received.
2. Delay = Scanning stops when signal are received. And scanning restarts when signals disappear.
3. Audio Delay = Scanning stops when audio signals are received. And scanning restarts when audio signals disappear.
4. Pause = Scanning stops temporarily when signals are received. And after 5 seconds, scanning restarts.

SPEEDY SELECTION BY 6 CHANNEL STEPS (4+2)

In addition to 4 channel steps (10/12.5/20/25kHz), it is possible to make fine adjustment of 1/5kHz steps. So, you can select an optimum channel step according to communication condition.

CONTINUOUS FULL COVERAGE OF 50MHz-904.995MHz

The AX700E Series can receive signal on 50MHz - 904.995MHz widely and continuously. The AX700E Series enables you to receive thrilling live information, maniac bands, personal band or air band, marine band and land mobile band as well as the general FM and TV broadcasts.

BACKUP FUNCTION, SAFE AT THE TIME OF POWER OUTAGE

Information memorized into the Series can be maintained even if the power switch is turned off. So, there is no concern about the memorized information. On the hand, you can clear up all memories by the reset switch in the rear side.

HIGH GRADE, COMMUNICATION - TYPE MULTIPLE FUNCTIONS

All features, performances and functions are designed at the high grade communication-type receiver.

- ┆ Receiving mode: AM, Narrow FM & Wide FM.
- ┆ Built-in 3 pcs. PLL synthesizers of high precision and stability.
- ┆ Built-in 2 pcs. of 8-bit microprocessors of big capacity and high speed.

GENERAL:

Frequency range	E	50 - 904.995Hz
	EB	50 - 904.995MHz
	ES	144 - 147.995Mhz 30 - 439.995MHz
Type of emission		AM, FM-Narrow ($\pm 5.0\text{kHz}$) FM-Wide ($\pm 75\text{kHz}$)
Intermediate frequency		1st IF: 46MHz
		2nd IF: 10.7 MHz
		3rd IF: 455MHz (AM,FM-Ni)
Sensitivity	AM (10dB S/N)	Less than $3\mu\text{V}$
	FM-N (12dB SINAD)	Less than $1.5\mu\text{V}$
	FM-W (12dB SINAD)	Less than $1\mu\text{V}$ at 83MHz
Frequency stability		Less than $\pm 0.0002\%$ (at 454 MHz)
Squelch sensitivity		Less than $0.2\mu\text{V}$ (at FM-N)
Selectivity		More than 30dB (2 Signal method)
Spurious response		1st image Response More than 40dB (FM-N)
		More than 36dB (AM, FM-W)
		2nd image Response More than 50dB 3rd image Response More Than 50dB (FM-N)
Antenna impedance		50
Frequency step		10kHz,12.5kHz, 20kHz,25kHz (AJ mode: 1kHz, Up/Down keys 5kHz)
Memory channels		100 channels
Programmable scanning memory		10 bands
Audio output	Ext. Speaker jack	More than 1.8W (8, distortion, Input signal FM 1kHz $\pm 3.5\text{kHz}$ Deviation
	REC Jack	30mV (100k load) 8V
	Output Jack	8V, 40mA max.
Power requirement		13.8V DC $\pm 15\%$
Current drain		1A at 1.5W AF power output
Grounding		Negative grounding
Operating temperature range		0 C° to 50 C°

Dimensions (H x W x D) and
Weight

* 180mm x 75mm x 180mm, 2.1 kg

Dimensions excluding projections, weight including antenna & stand.

