

Feature	Talking House	TransAm AM2000	Procaster	RangeMaster
Range	Good with outdoor antenna accessory	Good	Good	Best
Enclosure	Indoor unit	Metal box, subject to permanent bending and warping.	Metal box	Fiberglass thick wall enclosure, will flex under stress.
Frequency base	PLL, more stable because it is an indoor unit. Frequency still can vary quite a bit though. PLL oscillators also tend to vary frequency under heavy modulation.	PLL, your frequency can vary by 100 Hz and more with the outdoor temperature changes. PLL oscillators also tend to vary frequency under heavy modulation.	PLL, your frequency can vary by 100 Hz and more with the outdoor temperature changes. PLL oscillators also tend to vary frequency under heavy modulation.	Crystal controlled and very stable, even under heavy modulation load.
Power set system	Unknown	Adjustment (we feel it is better to have control of the power)	An automatic system that does not allow full legal power	Adjustment (we feel it is better to have control of the power) Easy to set! Just look for the "Green light"
Meter	Unknown	Yes	Yes	Needs external meter, supplied if needed.
1710 capable	No	No	No	Yes
Multiple Transmitters	PLL transmitters shouldn't be used for "zerobeating" multiple transmitters, they tend not to be stable enough. You will hear the difference in frequency as a tone	PLL transmitters shouldn't be used for "zerobeating" multiple transmitters, they tend not to be stable enough. You will hear the difference in frequency as a tone	N/A	Multiple Transmitters possible with several methods, zerobeat, GPS and direct digital link option where the actual RF carriers are linked and phased together.
Asymmetrical Modulation Capable	No	No	No	Yes
Lightning Protection	Unknown	Unknown	Yes	Yes
Accessories	Has built in digital player, use caution with outdoor antenna accessory, it may not comply with Part 15 laws.	Includes wire and standard 102" CB whip antenna	Studio Interface, power supply, antenna, connecting wire, user manual	Includes studio interface, power supply, manual, power set and tuning computer and video. Available options are: good quality recommended wire (#22 shielded 100') \$50 (in comparison 1000' of cat 3 wire is \$40), AM1000br mount bracket for poles
Advantages	Indoor model	Adequate unit for local area coverage	Adequate unit for local area coverage	Great Range, Very stable frequency base (crystal). Power is adjusted by you so you know you have full power. Asymmetrical Modulation can make the unit sound like a 1KW station. The only transmitter to use if you are thinking about a multiple transmitter system. When you work with RangeMaster you are working with a design team. We design products for many companies, including aircraft radios, cell phone products, and other wireless products.
Disadvantages	Made in China	Metal box can warp over time, can get less range on the lower frequencies. Can have problems with some grounding situations. Unshielded, cheap wire leads to lightning damage and interference and poor performance.	Can get less range on the lower frequencies. Can have problems with some grounding situations. Unshielded, cheap wire leads to lightning damage and interference and poor performance. Typically will only provide 90% of the allowed legal power.	This is not the unit for you if you are just looking to sell a house and broadcast to a car sitting at the curb.