

SUBJECT

**APRIL 16, 2002**  
**SUPERSCAN / GENERAL SETUP**



HELPFUL SETUP  
GUIDELINES

When installing or troubleshooting a SuperScan, proper operation is a result of careful setup involving the placement and angling of the modules, range adjustment, and in some cases, the point of inhibiting. Always keep these helpful hints in mind:

- Placement of the modules near the back of the door (hinge or pivot end) is critical. If modules are positioned too close to the back end of the door, detection of a guide rail or wall may occur even when the modules are at a reduced angle. A good starting point is to slide the Slave module out all the way towards the leading edge of the door, then slide the Master module to within 3" of that module. Test the system at various positions and angles for maximum effectiveness.
- The critical area of safety-side SuperScan detection is out near the leading edge of the door where the rate of travel is greater. Remember, all modules may be independently placed, angled, and adjusted for range, as to create a fan pattern from the hinged end to the leading edge of the door.
- Range adjustment must be fine tuned for each module. When adjusting the mechanical cam on each module, clockwise rotation increases range until the max. position, at which point it snaps back to a minimum position. Simply increase the cam until detection of the floor occurs, then back the cam off by 3 clicks. One click corresponds to approximately 4" of range. Once adjusted, test the range with a white piece of paper by holding the paper down near the floor, in the path of detection, and slowly raise the paper until detection occurs. Ideally, the detection pattern should be 12" to 18" above the floor surface. Repeat the adjustment as necessary on each module.
- When inhibiting a safety-side SuperScan, the point of door travel that the SuperScan is inhibited should be approximately at the point of back-check, or 10 to 15 degrees shy of the fully open door position.
- SuperScan inhibition can be accomplished in one of two ways, the first is to utilize the inhibit function on the Master module (terminals 2 & 3). The second is to interrupt the desired circuit through the use of an isolated limit switch; for example, an operator mounted switch, triggered by the respective cam. Some door operators provide auxiliary switches that can be used for this purpose. Otherwise, a dedicated switch, such as a header or jamb-mounted magnetic switch, may be utilized. Always refer to the User's Guide for applicable wiring diagrams.

SMR MODULES

Just a reminder regarding SuperScan compatibility with regard to SMR (self-monitoring ready):

- NON-SMR MASTER MODULES CAN **NOT** BE USED WITH SMR SLAVE MODULES
- All other combinations will work. However, for a system to function as SMR, all modules must be SMR

SMR Identification (found on white label on emitter side of module):

	SMR	NON-SMR
MASTER	EYETECH / MRC	EYETECH / MR
SLAVE	EYETECH / SC	EYETECH / S

COMPANY  
CONTACT

If after troubleshooting a problem, a satisfactory solution cannot be achieved, please call B.E.A., Inc. for further assistance during Eastern Standard Time at **1-800-523-2462 from 7am - 5pm**.  
**For after-hours, call East Coast: 1-866-836-1683 or 1-800-407-4545 / Mid-West: 1-888-308-8843 / West Coast: 1-909-596-3011. DO NOT** leave any problem unresolved. If you must wait for the following workday to call B.E.A., leave the door inoperable until satisfactory repairs can be made.  
**NEVER** sacrifice the safe operation of the automatic door or gate for an incomplete solution.