

Installation Instructions

Broadband Antenna Kit Kit #26723401

This kit adds a broadband antenna to your NGX jukebox to allow a USB broadband modem connection. The USB broadband modem is **not** included with this kit. The modem must incorporate a TS9 external antenna jack. Call AMI Tech Support for a list of approved USB broadband modems.

The antenna bracket and antenna are mounted on the top of the jukebox cabinet and replace the Beacon and Beacon housing which are no longer used. If your jukebox does not have the beacon opening in the cabinet, a template is provided so holes can be drilled for mounting.

Parts Included with this Kit:

Item #	Part Numbers	Description	Quantity
	Kit 26723401		
1	22349701	Antenna Dome with mounting hardware	1
2	22351901	Adaptor – SMA F to TS9	1
3	34125201	Bracket-Mounting (NGX Curve 30°)	1
4	34125202	Bracket-Mounting (NGX Mini 2/3 15°)	1
5	34125203	Bracket-Mounting (NGX Ultra 20°)	1
6	28277914	Screw #M4x6mm	2



1. Power off your jukebox and unplug it from the wall.
2. Locate the Beacon assembly on the top of the cabinet.
3. If your jukebox does not have a beacon assembly, see the instructions below for drilling the cabinet. After drilling, skip step 4 and resume at step 5.
4. Remove the two screws securing the beacon housing to the cabinet. Unplug the USB cable from the core computer and remove the beacon assembly and USB cable.
5. Select the correct mounting bracket for the machine you are working on. The correct bracket will result in a flat mounting surface for the antenna when installed on the jukebox cabinet.
6. Feed the antenna wire through the mounting bracket and fasten the antenna to the bracket with the mounting hardware. Install the internal lock washer first, then the fiber washer, then the hex nut. Be sure the antenna is secure on the bracket, however, do not over tighten the nut.
7. Feed the antenna wire into the jukebox through the rectangular beacon opening (or $\frac{1}{2}$ " drilled hole). Secure the antenna bracket to the cabinet with two #M4 screws from the inside of the cabinet.
8. Install the SMA to TS9 adapter to the end of the antenna wire.
9. Open the TS9 antenna port on your USB modem. Plug the adaptor and antenna wire into the modem. Plug the modem into an open USB port on the core computer. The antenna wire should be routed smoothly through the cabinet without pinching or kinking the wire.
10. Plug the jukebox back into the wall and boot it up. Verify network connectivity works as expected.



Drilling the cabinet for antenna mounting

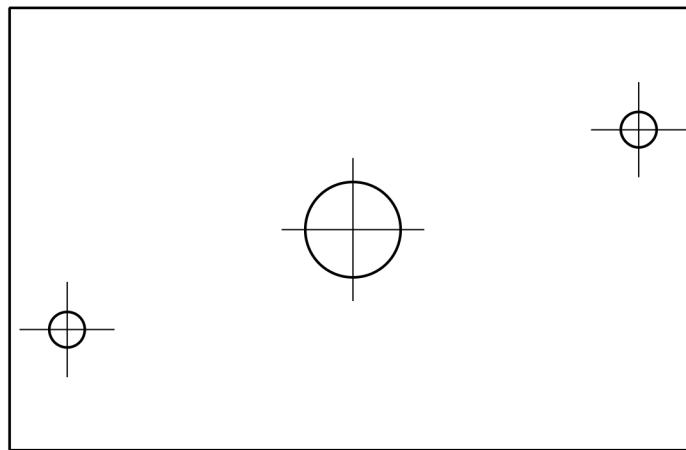
Some NGX, NGX Ultra, NGX Mini 2, and all NGX Mini jukebox cabinets do not have openings for mounting a Beacon Assembly. To mount the broadband antenna in those cabinets, three holes must be drilled in the top of the cabinet.

Drilling can be done without removing the cabinet from the wall. However, you will most likely have to remove some components (amplifier in Mini/Mini2, core computer in Ultra) to make room to work.

- Cut out the full size drill template below and use it to locate a clear area on the **inside** top of the jukebox cabinet. Tape the template in place. Use a center punch to mark the center of the three holes. Remove the template.
- Using a step drill, drill a ½" hole for the antenna wire (center hole). Be sure metal chips from drilling do not fall into any electronic components. It's best to drape a cloth rag below the area where you are working to catch the metal chips.
- Use a 3/16" (.187") drill bit and drill the two mounting holes.
- Clean and deburr the holes.



Step Drill



Drill Template



