

FM Radio Transmitter Module - NS73M

WRL-08452 ROHS

DESCRIPTION FEATURES DOCUMENTS

This is a very small FM transmitter. Designed to be the building block of wireless microphones and MP3 broadcasters, this small module requires only two external components and utilizes a completely digital interface.

This part is meant for research purposes and is not FCC certified. The NS73M part is not certified by itself (certification requires an antenna be attached) but has been used and certified in many consumer products.

Breakout board available below.

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Customer Comments

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porrick / about 14 hours ago / 1
Do I even need to solder leads to all 8+7 (15) contacts!?

porrick / about 16 hours ago / 1
Hi - I bought an FM transmitter from SparkFun (product URL at bottom). In fact, I bought ~8 of these so far. Ive been unable to affix leads to each of the contacts. Any help is appreciated before I buy 80x more!

https://www.sparkfun.com/products/8452

montegq / about 8 months ago / 1
5 years ago, IC was retired; link to breadboard currently shows it's retired. Can I get this chip, on a breadboard, or can I get a breadboard to put this chip on?

> M-Short / about 8 months ago / 1
> Sorry, it looks like the breakout board is old enough that we didn't put the files online for it. You can try emailing techsupport@sparkfun.com and they might be able to find it for you. You'd still have to order your own boards and assemble them by hand, but unfortunately we don't have any more in stock.

Sora62896 / about 5 years ago / 1
why is this categorized as retired?

> Toni_K / about 5 years ago / 1
> The IC wasn't selling well enough on its own to justify keeping it on the storefront. However, we do still have the breakout board available here.

Member #187451 / about 5 years ago / 1
Just noticed the IC is not available; the BOB is, but the IC by itself is not. Is Sparkfun not planning on carrying the IC anymore?

BigHomie / about 6 years ago / 1
Has anyone tested this w/ video? I'm assuming that the chip does FM modulation of any analog source, and ntsc video would be on that list :-).

If I don't hear an update soon I'll probably be responding to myself in a little while.....

Member #196397 / about 7 years ago / 1
Well 2 years is nothing between friends;
'data' on FM = RDS (radio data system) lives on a 56KHz sub-carrier which would be injected prior to FM modulation, so looking at this chip datasheet there is no possibility.
The chip has the Stereo 'Zenith GE' coder on board and the RF element, so yeah plug it in add a 32KHz crystal (for some reason) and go.
Warning Rant Alert: - FM ! Gee, the last of the last in the analogue World. Deeply sad that broadcast radio companies couldn't get their act together to replicate it's performance in the digital domain.

> MicheleM / about 7 years ago / 1
> IMHO it would be better to have here a SI4711 (with a breakout board), it has also RDS and digital audio interface!
> It would be very useful to make in-car gadget.
> Silabs only sell the complete evb which costs
>
> > elligl / about 6 years ago / 1
> > Might want to look at Si4713 also.
> >
> > > MicheleM / about 6 years ago / 1
> > > Si4713 is receiver only. I'd like to send information to my car display through RDS channel so I need an FM trasnmitter.

Patman / about 7 years ago / 1
So, for a newbie such as myself, how would one implement this, say, in a netbook for built-in FM transmission? Or in any project, for that matter?
How do you drive this? There must be more to it than L, R, and gnd (and the crystal+cap).

Pratik / about 9 years ago / 1
Does this chip also do Digital data transmission.... like the song titles and station info we see on some of the better FM Receivers?

> Nate / about 9 years ago / 1
> Good question. I don't know. I don't think the IC is made to transmit data in the background - it's only got audio paths.