

## Re: Yamaha R3 losing stored channels

**Source:** <http://sci.tech-archive.net/Archive/sci.electronics.repair/2004-06/1623.html>

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**From:** Mark D. Zacharias (*mzacharias\_at\_yis.us*)

**Date:** 06/20/04

Date: Sun, 20 Jun 2004 17:27:48 -0500

Glad that worked out for you.

mz

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Please reply only to Group. I regret this is necessary. Viruses and spam have rendered my regular e-mail address useless.  
"Rob Haughey" <peng001@hotmail.com> wrote in message news:40D5FA38.7F8BF490@hotmail.com...  
> I've now replaced the backup capacitor (super cap) and the unit is working a treat.  
> Thanks for your advice Mark,  
> Rob  
>  
> "Mark D. Zacharias" wrote:  
>  
> > The backup capacitor is bad. It looks like a "button" and is near the main  
> > micro IC on the main board, if memory serves. Yamaha still stocks a  
> > replacement.  
> >  
> > This model takes rather more effort to get into than many receivers. The  
> > average DIY type or non-tech would likely have a problem with this one.  
> >  
> > Mark Z.  
> >  
> > --  
> > Please reply only to Group. I regret this is necessary. Viruses and spam  
> > have rendered my regular e-mail address useless.  
> >  
> > "Rob" <peng001@hotmail.com> wrote in message  
> > news:40D0E48F.1E1468C6@hotmail.com...  
> > > My Yamaha R3 receiver loses it's stored AM/FM channels when power  
> > switch  
> > is off for  
> > > more than a few minutes.  
> > > The power switch directly switches all mains power in the unit, i.e.,  
> > > there is no  
> > > standby supply to any circuits.  
> > > I cannot see any internal battery.  
> > > I therefore think the problem is a faulty memory device LC7030 or a  
> > > faulty  
> > > capacitor.  
> > >  
> > > Do they use caps (electro) for memory retention?

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> > >  
> > > The user manual states that the Receiver may lose it's stored channels  
> > when  
> > > \*unplugged\* for a long time. As far as I can tell being switched off  
is  
> > equivalent  
> > > to being unplugged.  
> > >  
> > > I would like to understand the circuit around this LC7030 device which  
> > appears to be  
> > > where the channels get stored. Does anyone have a R3 circuit diagram  
or  
> > datasheet  
> > > for Sanyo LC7030.  
> > >  
> > > Thanks for any advice.  
> > >  
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