

RECORDING WITH THE PXR4

Let's prepare to make a new (blank) recording

If you are using the factory included Smart Media card, you will first have to erase the two demonstration songs, freeing up memory for your own recordings. For a complete tutorial on how to check, remove, install or erase a Smart Media card, look at the tutorial called "PXR4 Media".

1. Connect the included AC adaptor to the (DC 4.5V) jack on the backside of the PXR4 or use batteries (2XAA). Battery compartment located on bottom of unit. Slide the (Power/Back light) switch on the rear panel of the PXR4, and the start-up screen will appear in the display screen. Using the Back Light with batteries will shorten the battery life (It's best to use the adaptor for long usage, plus it's included for FREE).

2. Use the Fast Forward button until you see "MakeNew!" This will flash on the screen momentarily and then "SngGrade" should be on the display with Eco, Std or Hiq flashing.



3. Now you need to choose what quality recording you want to make by turning the #2 dial.

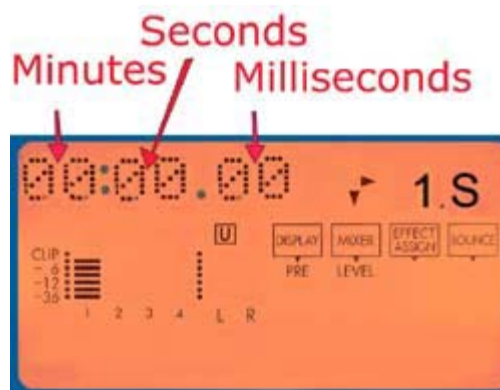
- Hiq** - For the best audio quality
- Std** - Standard - Normal recording
- Eco** - Economy - Interviews, lectures, spoken voice

You will see the quality flashing. All you have to do is turn the dial until you pick the quality you want. After you have dialed in the recording quality (Eco, Std or Hiq) use the Cursor button and click to the right one time.

4. Follow the direction of the little black arrow ? on the screen and click the **Cursor** button once to the right.



Now the screen should read NEW SONG and then quickly change to a series 00s. The numbers on the screen are the time location numbers in minutes : seconds : milliseconds. You can change this later to read measures and bars if you like.



The 1.S means that this is song #1, recorded in Standard mode.

The amount of recording time available all depends on the size of the SmartMedia card that is installed and the resolution of the recording. The higher the quality, the less time you have but the better it will sound.

If you use the 16MB SmartMedia card that comes with the PXR4 you will have the following recording time available:

Record Mode	Total Time
HI	11 min, 15 seconds
Standard	16 min, 50 seconds
Economy	33 min, 50 seconds

This is the total track minutes available on a 16 MB SmartMedia card. If you record two tracks, divide these numbers by two.

You can install and use larger SmartMedia cards, from 32, 48 64, 96 or 128 mb.

If you install a 128MB card and record one track you will have a lot more time:

Record Mode	Total Time
HI	90 minutes
Standard	134 minutes
Economy	270 minutes

RECORDING A VOICE

(or any other music or sound)

1. Switch the input to MIC.

2. Set your levels

You need to make sure that the sound (voice, instrument or sound) you are recording is loud enough or not too loud. If it is not loud enough you may not hear it at all. If it is too loud it may sound distorted. By setting your levels correctly you make the PXR4 happy and you will get a great recording.

3. Activate the track you want to record (1, 2, 3 or 4) using the **Record Select** buttons.

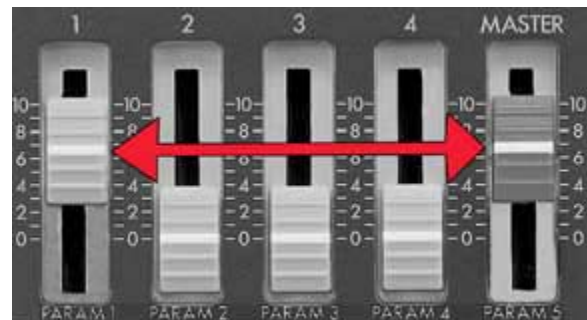
Today let's use track one. This "arms" the track to record. A "O" will appear around the armed track number in the display.



4. Set the input level:
Hold down the **Shift** key and then press the **Mixer** key until the display shows "PRE".



5. Start talking out loud and adjust the front panel **Input Volume** to bring the signal up to a hotter (stronger) level. The horizontal bars represent the volume. As you speak you want to see them move. Be careful not to turn the volume (trim) knob too much (too hot) or your signal will distort (clip). Speak very loudly and see how high you can turn the Input Trim without the bars hitting the CLIP level. You have now learned some pro recording terms, trim and clip.

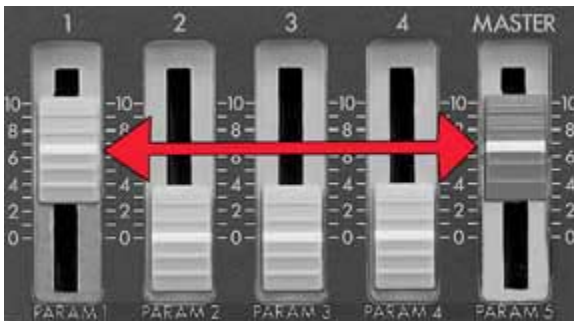


6. Set the recording level:



Hold down the **Shift** key again and then press the **Mixer** key until the display shows "POST". Now talk again and use the **Level** fader for the track you armed in "A". Adjust the level so that it is hot as possible without reaching the "clip" level in the display.

7. If you want to listen (with headphones) while you are recording set the volume by adjusting the Track fader and the Master fader.



8. Press the REC (record) key.



The ?REC icon in the display will flash.



8. Press the CHAIN PLAY key and speak or point the PXR4 in the direction of the person, sound or instrument you want to record.

You may have to adjust the Input trim control while you are recording to increase or decrease the level.

You are now recording. When you are done, hit the Stop key, hit the Stop key, below the Play key.



Playing your new recording

After you stop your recording you need to:

1. Turn the track record from "Rec" to "play" by tapping the Record Select one time.



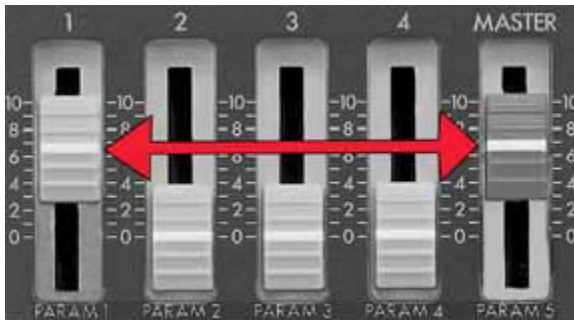


1. Turn the track record from "Rec" to "play" by tapping the Record Select one time.

2. Press the Rewind key once. This will take you back to the beginning of your recording. The counter will reset to "00:00:00".



Track fader Master fader



3. Set the volume by adjusting the Track fader and the Master fader. Set each one about 3/4 of the way up, between 6 and 8. This way when you push the play button you will hear something.



4. Press the "play" button and you should be in business.

Set your headphone volume to a comfortable level.

Congratulations, you have now recorded and played back a digital recording. Try to keep in mind that with some experimentation you can make better recordings. Practice and be patient. Have fun.