LCD 7" Handheld TV Short Manual

Rechargeable battery inside in purchased units, our rental have that battery removed.
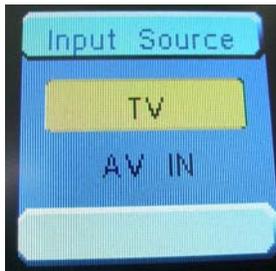
The TV tuner is as good as the best. **Easily visible in full sun with good color.** We protect the LCD with a delicately applied anti-scratch and anti reflection protection film. External Lithium NP-7S **battery lasts tested 6 hours**. The wide viewing angle enables three people to watch. The last channel selected before power down, is remembered on next power up. There is a removable 5/8" spud on a plate for stand mounting. We provide a convenient tough hi-performance antenna with a 90-degree flex joint on BNC. Shoulder strap provided.

16:9 aspect ratio for HD wide screen & 4:3 aspect ratio for standard screen, screen size 7" diagonal, built-in mini speakers, Inputs: 1 video RCA & 2 audio RCA, "F" connector for antenna. Outputs: headphones, mini only! **No video out**. ATSC Digital over the air tuner + NTSC analog Tuner 125 Ch + CATV. 7-16.4V. At 12V it draws .6A with no battery. The 10" draws .7A. Will not turn on above 16V.

The 7" LCD has a built-in (removable) 4400 mA LiPo 7V battery that lasts a tested 1:45 hours. Put the external NP-1 battery on the back bracket and it will operate the monitor and charge the INTERNAL battery slowly (6 Hrs). Then the monitor draws 1.4A max. The battery takes 28W Hr. Once the internal battery is fully charged, the LCD draws .6A. Turn the 7" LCD OFF (Switch on left side) and you will charge the internal battery from the external one more quickly (3 Hrs). The manufacturer claims you will not destroy the internal battery if you leave the monitor on. You will not destroy external batteries, IDX or Bauer by over-discharge as they are protected by a battery internal low voltage disconnect switch. We think that the automatic cut off voltage on the Np-1 type batteries is set too low and you will reduce those batteries lifetime if you let the dischare go to the auto turn off point always. What do you gain by removing the internal battery? Probably 10% total longer run time of external batteries and the convenience of lighter weight and for the uninitiated a more predicable performance.

Brief Tuning Instructions

Of course you want to receive TV (mode button on right)

How to pre-set your selected channels

First, make sure your monitor antenna is showing "air" mode for Modulus, Canatrans, or other UHF Transmitters. "CATV" antenna is only to be used for CATV Channel 59 transmitters.

DO NOT USE SCAN MODE.
CLOSE MENU.

Now, with your transmitter(s) turned on and tuned to the channel(s) you want to use, use the remote control to select them on the TV. Punch in the number(s).

Once you have selected the channel with the remote control, they are stored in the monitor. From now on you will not need to use the remote again, just use the channel Up / Down buttons on the monitor itself to toggle between the selected channels. If you transmit on a new channel enter with remote again.

Now you have only the channels you need in the TV memory.

Zoom mode should be normal for 3:4 images

| **Use a screwdriver, ☠ Go to Jail! You drop it, you bought it!** |

For latest versions check:
This document: http://wolfvid.com/datasheets/Monitor_7_manual_2sided.pdf
http://wolfvid.com/datasheets/Monitor_7_sales_and_rent.pdf
http://www.wolfvid.com/datasheets/monitor_dual_7_marshall.pdf
http://www.wolfvid.com/datasheets/Monitors_handheld_for_rent.pdf
http://www.wolfvid.com/datasheets/Monitor_7_Haier_LCD_handheld_short_manual.pdf

12/29/09 Prices and everything else constantly changes of course

Digimedia Handheld instructions:

DO NOT LOSE THE REMOTE!   portable handheld   new DIFFERENT 2008 version

QUICK START
1. Install battery. Also mount antenna; use the black one to start.
2. Turn on LCD. Go into Menu and **select CHANNEL SEARCH**. This will help you find out what channels are being used and which are usable. Find a clear channel (one with solid snow – no semi-picture). You can later use the remote to select any channel.
   Once you have found a clean channel, select an antenna that is marked for the range of channels you are using (Blue: Ch. 14-30, Black: 30-50, Green: 50-69). Select two antennae of the same color, one for the transmitter, and one for the LCD.   THEY MUST MATCH!
3. If the channel you have selected does not lock in (drifts), you must use the **FINE TUNE function** located in the on-screen menus. This will solve most problems with drift/static.
4. Charge batteries. It takes approx. 1 hour to charge NiCads which last approximately 2 hours. Lithiums last 4 hours charge in 3 hours. The batteries were sent to you fully charged.
5. Set **FREERUN** to **OFF** so you see noise on blank channels.

CAUTION:
Do not touch LCD screen. Use only provided LCD screen cleaner swabs! Alcohol and other cleaners will damage the screen.

☠ 7" LCD MONITOR MOUNT WARNING!

¼-20 mounting bolt must not exceed ¼" total depth into the unit! Using a longer bolt will damage the LCD and void the warranty.

MUTE AUDIO with remote after each power up/down. Or keep a dummy plug inserted in the Headphone jack.

Battery protection:
This monitor will not damage the NP-1 battery by over discharge. The battery protector (the lump on back) will shut down the monitor before the battery is killed. The green light on the battery protector indicates charged battery. The red light in front indicates low battery and the monitor is shut down. Change batteries. This is to protect batteries from over discharge which ruins them very quickly. Newer Lithium Batteries do not require a Battery protector.

READ THIS Manual.   **It can't possibly hurt you.**

Overview:

You must be outside the USA to use transmitters. Determine which channels are in use by TV stations on the air.

It's best to have one empty channel between your channel and the ones in use by TV stations. Then you must program this TV/monitor as you would your TV/VCR at home.

Modification: All WSV rental monitors are modified so they **do not invert the image** when being held upside down. Steadicam operators though like this feature as they can reverse their sleds and the image stays "right side up."

4x3 image size Hint:
If you have trouble keeping image at 4x3, go to "**FINE TUNE**" and tune exactly to frequency.
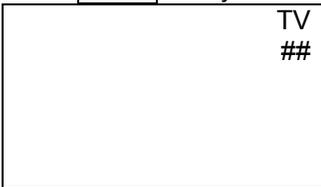
USE "AUTOSCAN" TO FIND BROADCAST CHANNELS

If you want to broadcast outside the US, you must not use the broadcast channels that have active TV stations on them. This procedure will help you to make a list of the "non-use" channels.

1. Insert NP-1 Battery into 7" Monitor. Note red LED in front and green LED in back.

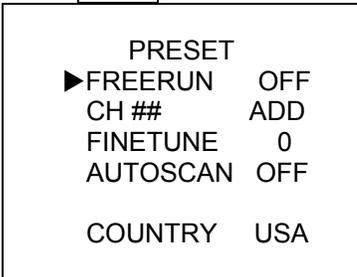2. Press POWER on 7" Monitor. Note Screen lights up, LED in front turns green.

3. Press TV/AV until you see:

```
                TV
                ##
```

The monitor has stored the last channel watched before powering off.

4. Press MENU twice. Note PRESET Menu screen:

```
        PRESET
   ▶FREERUN      OFF
    CH ##        ADD
    FINETUNE      0
    AUTOSCAN   OFF

    COUNTRY     USA
```

5. Press CH/ADJ ▲ or ▼ to turn "FREERUN" off.
   It's easier to see weak or empty channels with FREERUN off and white noise displayed on the monitor rather than the blue screen that comes on even on weak signals.
6. Press SEL three times to select the "AUTOSCAN" option.
7. Press CH/ADJ ▼ once to activate "AUTOSCAN". Wait.
8. WAIT until ALL channels have been scanned.
   All broadcast channels are added to scan memory. You do not want these channels for Modulus use. You can now switch through all channels occupied by broadcast stations by pressing CH/ADJ. It is a good idea to write down the channels found in chart form. Now you know which channels NOT TO USE for Modulus transmission. Sometimes weak signals are stored into "AUTOSCAN" memory. If you see ANY kind of picture or regular pattern (digital TV) in the chosen channel, go to another channel. Find an unused channel with only static noise (also called white noise or snow). Now add that channel to memory.

   EXAMPLE:

14	~~15~~	16	~~17~~	18	19	20	21	22	23	24	25	26	27	28	29	30	Etc.

   ~~XX~~ Broadcast Channels in use
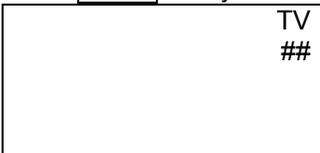   The Modulus only works on channels 14 to 69 [for use outside the USA].

---

9. Use the **Remote Control** to enter channel numbers you will use for Modulus. These are the channels that were not stored in memory during "AUTOSCAN". These should be open/unused channels. If possible, use a channel that is two numbers away from an in-use broadcast channel.

ADD AND DELETE CHANNELS

1. Power up monitor. Note red LED in front and green LED in back.
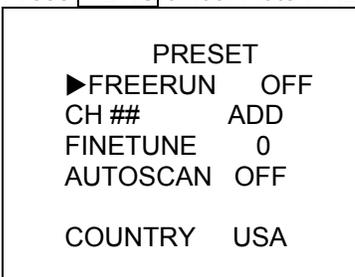2. Press POWER. Note Screen lights up, front LED turns green.

3. Press TV/AV until you see:

```
              TV
              ##
```

The monitor has stored the last channel it was displaying before powering down.

4. Press CH/ADJ ▲ ▼ to find channels in the monitor's memory or use small handheld IR Remote to select the channel you want to ADD/ERASE. Just press the two digits of the desired channel. Note channel number is displayed only for two seconds.
5. Press MENU twice. Note PRESET Menu screen:

```
        PRESET
   ▶FREERUN    OFF
   CH ##        ADD
   FINETUNE      0
   AUTOSCAN   OFF

   COUNTRY    USA
```

6. Press SEL once till CH## is high lit.
7. Press CH/ADJ CH## ADD/ERASE ▲ or ▼ to change value from ERASE or ADD.
8. Press MENU to store changes.
9. Repeat Steps 4–8 for all channels you want to add to the scan memory.
10. Note: The next time you scan channels, only ADDED channels will show up. Note: If a channel will not DELETE you must run "AUTOSCAN". If you delete all channels except one, the monitor resets to default scan mode and all channels can be selected using CH/ADJ ▲ ▼ buttons.

Set Modulus to selected open channel (non USA use!)

1. Note the channel number you have selected. Write it down. **Set the indicator dials on the Modulus to the selected channel**. The selected channel must be from channels 14-69 only. NO OTHER CHANNELS WILL WORK.

  set to channel 14 as sample

2. Attach proper Antenna to Modulus OUTPUT. There is a choice of 3 depending on frequency.
   8" antenna best for channels 50-69
   10" antenna best for channels 30-50
   12" antenna best for channels 14-30
3. Connect Modulus to Power and Video source.
4. Turn on Modulus. Confirm that the GREEN large LED indicator is ON.
   Often you get better long range reception from the Modulus when you let the tuner rescan with the Modulus on.

To add the transmitted channels from the Modulus to Scan Memory, repeat steps 4-7 in "Autoscan" section or do the following steps to manually ADD/ERASE channels:
5. Set the TV to the channel you want to add or erase
6. Press MENU twice. Note PRESET Menu screen:

```
        PRESET
   ▶FREERUN    OFF
   CH ##       ADD
   FINETUNE     0
   AUTOSCAN    OFF

   COUNTRY     USA
```

7. Press SEL once to select the "CH ## ERASE/ADD" option.
8. Press CH/ADJ ▲ ▼ until ADD is displayed.
9. You may delete all unwanted channels, but you must have at least two channels added or monitor memory will reset to default scan mode. In default scan mode all channels may be selected using the CH/ADJ ▲ ▼ buttons.

To receive Mini Spy: with good Lemo and BNC connectors mounted on box. Size: 3" x 2" x 7/8" thick. Metal box version needs custom cables with 4 pin Lemo (extra charge). It is protected against reverse voltage and overvoltage. 2 versions: 8V-14V or 9-36V with internal DC-DC.
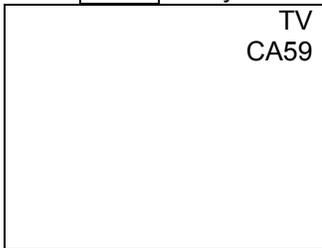
Range: 90 yards with small whip on receiving Watchman. With flat panel gain Rx Antenna: 350 yards
Power: with LED indicator, reverse voltage protected, Current 160mA, overheat protected
Output: 360 mW, ¼ wave removable rubber duck antenna on SMA connector is supplied

This is Part 96 of course.

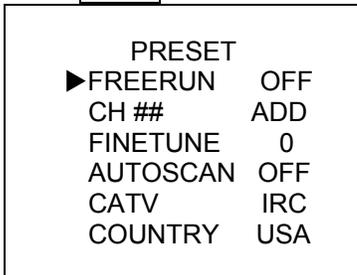1. Press POWER. Note Screen lights up, LED in front turns green.

2. Press TV/AV until you see:

```
                    TV
                   CA59
```

The monitor stores the last channel entered before powering off.

3. Press MENU twice. Note PRESET Menu screen:

```
        PRESET
   ▶FREERUN    OFF
     CH ##       ADD
     FINETUNE     0
     AUTOSCAN  OFF
     CATV        IRC
     COUNTRY   USA
```
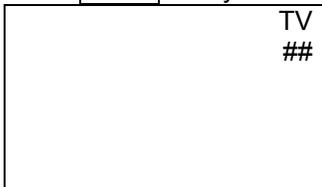
4. Press SEL until CATV option is activated.
5. Press CH/ADJ ▲ ▼ until IRC is displayed
6. Press SEL until the "AUTOSCAN" option is highlighted.
7. Press CH/ADJ ▲ ▼ once to activate "AUTOSCAN".
8. WAIT until ALL channels have been scanned. All receivable channels are added to scan memory.
9. Press CH/ADJ ▲ ▼ until channel 59 is selected.
11. Press SEL twice to select the "FINETUNE" option.
10. Press CH/ADJ ▲ ▼ for best signal reception. Experiment to find the optimal setting. Range is 1-32.

11. You may delete all unwanted channels, but you must have at least two channels added or monitor will reset to default scan mode. In default scan mode all channels may be selected using the CH/ADJ ▲ ▼ buttons.
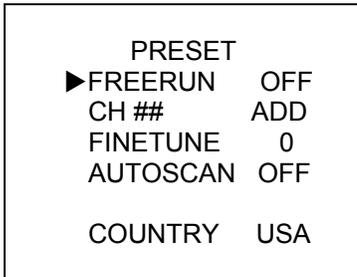
For better reception and fine tuning:

Set FREERUN to OFF for better weak signal reception:

1. Plug Power source into monitor. Note red LED in front.
2. Press POWER. Note Screen lights up.

3. Press TV/AV until you see:

```
                              TV
                              ##



```
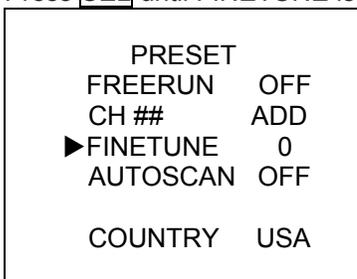
4. The monitor stores the last channel entered before powering down.
   Enter the channel you want to watch & FINETUNE.
5. Press MENU twice. Note PRESET Menu screen:

```
          PRESET
   ▶FREERUN      OFF
     CH ##          ADD
     FINETUNE       0
     AUTOSCAN    OFF

     COUNTRY     USA
```

6. Press SEL to highlight FREERUN.
7. Press CH/ADJ ▲ ▼ to change FREERUN setting to "OFF".

   TO FINE TUNE THE SELECTED CHANNEL:
8. Press SEL until FINETUNE is selected. Note PRESET Menu screen:

```
          PRESET
     FREERUN      OFF
     CH ##          ADD
   ▶FINETUNE       0
     AUTOSCAN    OFF

     COUNTRY      USA
```

9. Press CH/ADJ ▲ ▼ to adjust for the best possible reception.
10. To save settings press MENU.

MENU OPTIONS (press menu once)

PICTURE FUNCTION
1. Press MENU to select PICTURE menu.
2. Press SEL to select sub-item.

```
            PICTURE
      ▶BRIGHT
       CONTRAST
       COLOR
       TINT
       SCREEN    16:9 (or 4:3)


       RESET
```

   Note: RESET returns all values to factory default settings.
3. Press CH/ADJ ▲ ▼ to adjust level of selected sub-item.

OTHER OPTIONS
For standard broadcast reception press TV/AV to TV mode.
For cable TV reception press TV/AV to CATV mode. Use IRC.
For videotape or camera viewing press TV/AV to Video mode. Connect signal to video in RCA jack.
For S-videotape or camera viewing press TV/AV to S-Video mode. Connect signal to S-Video in jack.
The SIGNAL menu should show ▶Standard AUTO for use in the USA.
The rental unit has an automatic low battery cut off to prevent destruction of battery by over discharge.

REAR LED on battery safety cutoff: The LED turns red to show low voltage. The battery is cut off. The power LED in front is off. You must change the battery.

SPECS: This color TFT monitor accepts composite and S-Video inputs and has a built-in cable-ready TV tuner. Use **cable IRC mode for CATV 59**. This setting is stored when monitor is turned off. The monitor is portable, flicker-free, low radiation, light weight, and features low power consumption. This color TFT display features the brightest active matrix available and provides an extremely wide viewing angle. Other features include built-in stereo speakers, video loop-through RCA jacks, a headphone mini stereo jack and ¼ inch thread for tripod mounting. Maximum depth of screw is 3/8" – longer bolts will damage electronics permanently.
This is an NTSC tuner. For PAL (in color) a special order tuner is available. The tuner receives standard NTSC transmissions in color. It can also receive color PAL transmission in B/W from any color PAL source fed to Mini Spy or Modulus transmitter. The PAL color subcarrier is too far from the signal for this NTSC type tuner to pass. So PAL is viewed as B/W image only. A direct input PAL signal will display in color.

Hint: Audio is not totally muted after power up. Either use the remote mute button to totally silence speaker or keep a dummy plug in the headphone jack.

PAL Video Hard Wired
A PAL video signal will display in color when hard wired to the video input.
1. Connect the PAL video output signal to the monitor video input jack using a 75Ω video cable.
2. Power on the PAL video source.
3. Power on the monitor and select video source by pressing the TV/AV button.
The monitor should display the PAL video signal. If you do not see a picture:
1. Press MENU two times.
2. Press CH/ADJ ▲ ▼ buttons to manually select between "Video Source" settings.
STANDARD AUTO (DEFAULT)
STANDARD PAL 4.43   (used in Europe)
STANDARD PAL N
STANDARD PAL M
STANDARD SECAM

PAL VIDEO WIRELESS
The 7" LCD monitor/TV will receive a color PAL video signal in B/W when the PAL video signal is transmitted using an NTSC transmitter (like a Modulus 3000) and tuned manually with remote.
To receive a B/W PAL picture using an NTSC transmitter:
1. Connect the PAL video signal to the NTSC transmitter.
2. Power on the NTSC transmitter. Select an open channel between 14 and 69.
3. Power on the PAL video source (camera).
4. Power on the 7" LCD monitor
5. Select TV mode on 7" LCD by pressing the TV/AV button.
6. Use the 7" LCD remote control to enter the channel (14-69) that corresponds to the channel setting on the NTSC transmitter.

Special Notes:
Receiving the Modulus (outside the USA) you have to **fine tune for optimal results** as the freq of the modulus is not that stable.

The 4x5 to **16x9 switching is only stable** when the signal strength of the TX is good. With poor signal strength the monitor defaults to 4x5.

This document: http://wolfvid.com/datasheets/Monitor_7_manual_2sided.pdf

---

Use a screwdriver, ☠ Go to Jail!
You drop it, you bought it!

LCD monitor cleaning – READ ME !

Here are the care and cleaning instructions for all LCDs, computer monitors, LCD TVs, etc.
- Deal with these fragile monitor surfaces as carefully as if they were lenses. SO:
- DON'T TOUCH THE SCREEN WITH FINGERS!!
- Blow (canned air) or soft brush off screen surface thoroughly. Get rid of all solid particulate matter (dust). If you don't, these particles will scratch the surface permanently when wiped with wet stuff.
- BEST and cheapest: Spray screen with Endust for electronics and wipe with kitchen towels.
- 2nd BEST: Use commercially available wiping pads.
- Lay screen flat and wipe screen with even wipes, distributing alcohol across whole surface uniformly.
- Do not allow alcohol to dry quickly because you will be wiping with dry cloth and grinding dirt into the surface. Wipe evenly to avoid streaking.
- DO NOT wipe with dry cloth while dusty ever!!
- Storage: Blow the surface clean and Velcro on the clear plastic scratch cover (if you have one) that keeps a small airspace in front of screen while in transit so the surface is protected from mechanical scratching [works like a lenscap].)

Some sources for screen wipes:

Cleaning: **Best stuff**f: Wet/dry 2 package Hoodwipes, www.HoodmanUSA.com 800-818-3946 $2.00 each – very expensive

ENDUST for electronics, (800) 392-7733, KIWI Brands, Douglasville, PA 19518-1239

Alcohol preps (for hospital use, very cheap in packages of 200)
From Kendall - Webcol Order No: 5033, Mansfield Mass. 02048
Also available from hospital supply houses. Have a slight tendency to streak.

Laptop screen wipe TX834 (expensive)
Large pads well saturated with undescribed solution that smells like isopropyl alcohol. The Texwipe Company, Upper Saddle River, NJ 07458   (800) 284-5577

Wet Pads FREON TES solvent MS176P (expensive, TES is a stabilized version that is not supposed to attack the ozone) Miller Stephenson Chemical Co., Inc., George Washington Highway, Danbury, Connecticut Tel.: (203) 743-4447.

Fuji Film CRT cleaning towel, Fuji Photo Film USA, Inc. Computer Media Division, 555 Taxter Road, Elmford, NY 10523   (800) FOR-FUJI

Instead of using Endust or alcohol you can use Brillianize by Kleenmaster, Chemical Products Co., Inc., Omaha, NE 68102   (800) 445-9344

(56101) **ENDUST FOR ELECTRONICS** END267000 Premoistened Antistatic Wipe Packets, 18 Wipes per Box about $ 10.00 per box from Noonshopper.com reasonably priced.

Use a screwdriver, ☠ Go to Jail!

Also call us for our general catalog.   www.wolfvid.com

01/03/08