

303-586-6510 | www.rtsystemsinc.com

KRS-V7A Programming Software for the Kenwood TM-V7A

| File | | er - Tn-V7 Sa | ample | | | | | | | | | |
|---|------------|-----------------------|---------------------|---------------------|-------------------|------------|-----------------|--------------------|--------------|----------|-------------------|---------|
| <u>File Edit Communications Settings Window H</u> elp | | | | | | | | | | | | |
| 1 | Tn-V7 Samp | le X | | | | | | | | | | |
| | | Transmit Frequency | Offset Frequency | Offset Direction | Offset Reverse | Name | Tone Mode | CTCSS | DTSS Code | Skip | Step | Comment |
| 1 | | 144.27500 | | Simplex | | | | 88.5 Hz | | | 5 kHz | 7 |
| 2 | 144.28750 | 144.28759 | | Simplex | | | None | 88.5 Hz | | | 5 kHz | |
| 3 | 144.30000 | 144.30000 | | Simplex | | | | | | F | ation | |
| 4 | 144.31250 | 144.31250 | | Simplex | | | Memo | ry Cha | annei | Fun | ictior | 15 |
| 5 | 144.32500 | 144.32500 | | Simplex | | _ | | (left | to right | t) | | |
| 6 7 | 145.50000 | 144.90000 | C00 I.U | Minus | | | Receive | Freque | ncv | Ton | e Mod | |
| 8 | 145.50000 | | | | | | | | , | | | |
| 9 | 145.55000 | 145.55000 | Memo | ry Typ | es | | Transmit | Freque | ency | CTC | SS | |
| 10 | 145.57500 | 145.57500 | | to right) | | | Offeet Er | | - | ртс | SS Cod | |
| 11 | 145.60000 | 145.00000 | | 0 . | | | Offset Fr | equenc | ;y | DIS | 55 COU | |
| 12 | 145.62500 | 145.02500 | VHF M | emories | | | Offset Di | rection | | Skip | 2 | |
| 13 | 147.00000 | 147.60000 | | | | | | | | | | |
| 14 | 147.01250 | 147.61250 | / | | Offset | | ffset Reverse | | Step | | | |
| 15 | 147.05000 | 147.65000 | | | | Name | | | Con | nment | | |
| 16 | 147.06250 | 147.66250 | | mit Man | orioo | | Name | | | 0011 | micin | |
| 17 18 | 148.00000 | 147.40000 | UHF LI | mit Men | iones | - | Maura | 88.5 Hz | | | 5 kHz | |
| 18 | 148.00000 | 147.40000 | VFO | | | | | 88.5 Hz 88.5 Hz | | | 5 KHZ 12.5 kHz | |
| 20 | 148.02500 | 148.02500 | | | | | | 88.5 Hz | | | 12.5 kHz | |
| 20 | 148.03750 | 148.03750 | Call Ch | annel | | | | 88.5 Hz | | | 12.5 kHz | |
| 22 | 148.05000 | 148.05000 | | Simplex | | | | 88.5 Hz | | | 12.5 kHz | |
| 23 | 148.06250 | 148.06250 | | Simplex | | | | 88.5 Hz | | | 12.5 kHz | |
| 24 | 148.07500 | 148.07500 | ./ | Simplex | | | None | 88.5 Hz | | | 12.5 kHz | |
| 25 | 148.08750 | 148.08750 | V | Simplex | | | None | 88.5 Hz | | | 12.5 kHz | |
| • • | VHF Me | emories 🖉 UH | F Memories / | VHF Limit M | emories 🖉 U | HF Limit M | emories 🖉 VFO j | 🔨 Call Char | nnel | | | |

The KRS-V7A Programmer is designed to give you the ease and convenience of programming your radio from your PC. Frequency and DTMF memory channels can be programmed from the computer.

Memory Channels Include:

- 90 VHF Memory Channels
- 90 UHF Memory Channels
- 6 VHF Limit Memories (3 pair)
- 6 UHF Limit Memories (3 pair)
- 2 VFO Channels
- 2 Call Channels

Other Menu Item Categories Include:

- DTMF
- Other set menu items are not accessible for programming on the computer.

The Programmer Is for so Much More than Just Memory Management.

With the KRS-V7A Programmer you can begin a new "factory fresh" file into which frequencies and option settings are entered. Or, you can read from the radio, store these details on your computer and make changes. Then, with minimal button pushing, send the new configuration back to the radio.

The Programmer allows you to create and save as many files as you want for your radio. Files can even be shared between users via email or the Internet. Any RT Systems Version 4.50 program can open a file from any other RT Systems Version 4.50 programmer... even from a different radio.

Managing all the options of this great little radio becomes easy with the Programmer. The cut, copy, paste and insert features of the Programmer make channel management easier than ever.

Open more than one file at a time. Memory channel information can be copied from one file to another within the Programmer making it really easy to set up a new file.



Hardware Requirements:

A PC running Windows XP, Vista, Windows 7 (32 or 64 bit) or Windows 8 (full version). A CD drive (local or network) for installation. A free USB port. The RT Systems USB-K4S interface cable. The cable connects the radio to the computer from the USB port on the computer to the data jack on the front of the radio.





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KRS-V7A Programming Software **Memory Types**

| TM | -V7 Programn | mer - Tn-V7 S | ample | | | | | | | the second se | - 0 X |
|----------|---------------------------|-----------------------|---------------------------|---------------------|-------------------|------------------|------------|--------------|--------|---|----------|
| | <u>E</u> dit <u>C</u> omr | | <u>S</u> ettings <u>W</u> | /indow <u>H</u> el | р | | | | | | |
| | Tn-V7 Sam | | | | | | | | | | - |
| | Receive Frequency | Transmit Frequency | Offset Frequency | Offset Direction | Offset Reverse | Tone Mode | CTCSS | DTSS Code | Step | Comment | _ |
| L1 U1 | | | • | - | | - | - | | • | 7 | |
| L2 | | | \sim | | | mit Man | | Eurod | ione | | |
| U2 L3 | | | | | | mit Men | ft to righ | runci nt) | lions | | |
| U3 | | | | | Rece | ive Frequ | - | | e Mode | | |
| | | | | | | smit Frequ | - | CTC | | | |
| | | | | | | t Frequen | - | | S Code | | |
| | | | | | | t Directior | - | Step | | | |
| | | | | | | t Reverse | | | iment | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| 14 4 | VHE M | 1emories / UF | F Memories | VHF Limit Me | mories 🗸 UI | HF Limit Memorie | s VFO | Call Chan | nel | | ▼ |
| | | | | | | | | Call Orlan | | | |

Limit Memories

Limit Memories are used by the radio for Program Scan. Program the same details for Limit Memories as for regular memory channels.

| TM-V7 Programmer - Tn-V7 Sample | | | | |
|---|-------------------------------------|-------------------------------|---------|---------|
| <u>File Edit Communications Settings Window H</u> elp | | | | |
| 🚨 Tn-V7 Sample 🗙 | | | | - |
| Receive Transmit Offset Offset O Frequency Frequency Direction Re | ifset Tone Mode CTCSS DT | SS Tx Step | Comment | <u></u> |
| 144 144.00056 144.0000 ▼ Simplex 440 440.00000 440.0000 Simplex | None 88.5 Hz | High 💌 5 kHz 💌 High 25 kHz | 7 | |
| 440 440.00000 440.00000 Simplex | | | | |
| | VFO Funct (left to right | | | |
| | Receive Frequency | CTCSS | | |
| | Transmit Frequency | Rx CTCSS | | |
| | Offset Frequency | DTSS Code | | |
| | Offset Direction | Tx Power | | |
| | Offset Reverse | Step | | |
| | Tone Mode | Comment | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| VHF Memories / UHF Memories / VHF Limit Memories | s / UHF Limit Memories / VFO / Call | Channel | | ▼ ► |
| | | | | |

VFO

The program makes available the same VFO's as in the radio (usually one per band). Remember these are not real memory channels since the details are lost as soon as you tune the radio manually. There is no one button recall for these. You do not need to program into VFO before programming details into a memory channel. These channels are preprogrammed in the radio and while the frequency can be changed to another within the band, they cannot be left blank.

RADIO PROGRAMMING MADE EASY

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| Internations Settings Window Help International Frequency Transmit Offset Frequency Offset Reverse Tone Mode CTCSS DTSS Step Comment 144 144/050990 144/00000 44/050990 Simplex None 98.5Hz 25 kHz Image: Step Comment 10 440.00000 44/050990 Simplex None 98.5Hz 25 kHz Image: Step | x |
|--|---|
| Receive Frequency Transmit Frequency Offset Frequency Offset Preverse Tone Mode CTCSS DTSS Code Step Comment 14 144 00000 Image: Simplex None 88.5 Hz 5 kHz Image: Simplex Image: Simplex | |
| Frequency Frequency Frequency Frequency Frequency Frequency Frequency Frequency Frequency Code Step Comment 14 144.00000 Implex Implex Implex Implex SkHz SkHz Implex | - |
| 440.00000 440000000 Simplex None 98.5 Hz 25 kHz Call Channel Functions (left to right) Receive Frequency Tone Mode Transmit Frequency CTCSS | |
| Call Channel Functions (left to right) Receive Frequency Tone Mode Transmit Frequency CTCSS | |
| (left to right) Receive Frequency Tone Mode Transmit Frequency CTCSS | |
| Transmit Frequency CTCSS | |
| | |
| Offset Frequency DTSS Code | |
| | |
| Offset Direction Step | |
| Offset Reverse Comment | |
| | |
| | |
| | |
| | |
| | |
| | - |
| VHF Memories / UHF Limit Memories / UHF Limit Memories / VFO / Call Channel | |

Call Channel

Home/Call channels are special memories accessed through one button recall on the radio. These channels are preprogrammed in the radio and while the frequency can be changed to another within the band, they cannot be left blank.





KRS-V7A Programming Software **Radio Option Setting Screens**

| Menu Setting | s for TM-V7 - Untitled.rsf |
|---------------------------|----------------------------|
| <u>F</u> ile <u>T</u> abs | <u>H</u> elp |
| DTMF | |
| | |
| | DTMF |
| | DIME |
| 0 | (|
| 1 | |
| 2 | |
| 3 | |
| 4 | |
| 5 | |
| 6 | |
| 7 | |
| 8 | |
| 9 | |
| | e E for * and F for # |
| 0. | |
| | |
| | |

DTMF

Enter DTMF memory details and customize options for this function of the radio.

Other Set Menu Items

Other set menu items are not accessible for programming on the computer.

Menu items that you set from the radio's face are not changed when the radio is programmed from the computer.



KRS-V7A Programming Software **Preferences – Version 4.50**

| Grid Display Memory Defaults | ont Other | | |
|------------------------------|----------------------|--------|-------|
| Freeze 1 | Mark the columns | | |
| | Column | Hide | |
| Alternate row | Transmit Frequency | | |
| Alternate row | Offset Frequency | | |
| 1 Row1 | Offset Direction | | |
| | Name | | |
| | Tone Mode | | |
| 3 Row 3 | CTCSS | | |
| 4 Row 4 | Rx CTCSS | | |
| Fore Back | DCS | | |
| | TxPower | | |
| | Busy Channel Lockout | | |
| Use Combo for Check box | Skip | | |
| | Clock Shift | | |
| Language | Battery Save | | |
| Language: | Comment | | |
| English 👻 | | | |
| | | | |
| I | | | |
| | OK | Cancel | Apply |
| | | | |

Grid Display

- RT Systems now available in English, French, German, Italian, Spanish, Portuguese and Japanese.
- Set colors for text (Fore) or background (Back) of alternate rows for easier viewing across the columns.
- Freeze columns to keep information on the screen as you scroll to the right of the page.
- Hide columns you don't use. Customize your printout: hidden columns do not print.
- Use Combo for Check boxes changes the grid to eliminate check box selections that are disabled on some systems.

| Preferences | | | | | | | |
|--|---------------|---------------|---|--|--|--|--|
| Grid Display Memory Defaults Font Other | | | - | | | | |
| | Offset Freque | ency Defaults | - | | | | |
| Open last file when starting programmer. | HF | 100 kHz | • | | | | |
| Check ShowName Automatically Convert Split offsets to standand Plus or | 6m | 500 kHz | • | | | | |
| Minus when avaliable. | 2m | 600 kHz | • | | | | |
| Disable CTCSS, DCS and other Tone | 1.25m | 1.60 MHz | • | | | | |
| columns according to the Tone Mode selection. | 70cm | 5.00 MHz | • | | | | |
| Add and Remove Offsets | | | | | | | |
| Offset | | | | | | | |
| 1 100 kHz Remove | | | | | | | |
| 3 600 kHz To add an offset | | | | | | | |
| 4 1.00 MHz double click "END OF LIST." | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| OK Cancel Apply | | | | | | | |
| | | | | | | | |

Memory Defaults

• Set options to control auto fill information for memory channel entries.



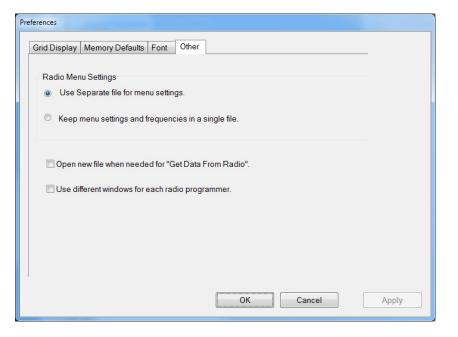
| Preferences | A Comment of the second s |
|---|--|
| Grid Display Me | emory Defaults Font Other |
| Eont MS Sans S MS Sar MS Ser Ø MS UIC Ø MV Boli Ø MVriad Ø Mvriad Ø Mvriad Ø Nvriad Ø Narkisi Ø Niacara Ø Niacara | In Serif if Sothic ra i Pro Pro Cond Pro Cond Pro Pro Cond Pro Pro Pro Pro Pro Pro Pro Pro |
| | OK Cancel Apply |

Font

• Set options to control the font in the column headers of the channel entry screens. Select any font and font size available on your computer.

Other

- Set options to control how the programmer handles the global Radio Menu Settings file.
 - Separate (default) handles the global settings of the radio in a "set and forget" fashion. Once you set these up and save the file you won't have to reset them for a new frequency file.
 - Together as one gives you the ability to create files that are complete with frequencies and customized global settings. In this mode, each file begins with factory defaults for every option of the radio.
- Check "Get data from Radio" new file option to prevent data loss when you read from your radio into the programmer.
- Check "different window" option to make the programmer for a different radio run in completely separate window rather than in a separate tab of the same window.





Click here to learn more about using Preferences to customize your radio programming experience.