CONDOMINIUM RECEIVER
INSTRUCTION MANUAL

DTS RX1000
RECEIVER

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OPERATING INSTRUCTIONS - DTS RX1000 CONDOMINIUM/FACTORY RECEIVER

Selection of Condominium (Complex) or Factory mode:

With all memory erased and power disconnected, press the UP and DOWN navigation buttons together and apply power. Release the UP / Down navigation push buttons after the supply has been switched on. If the receiver was previously in Condominium mode (99+9) then the display will flash “FAC” two times, indicating that Factory mode (999) has been selected. Repeat the procedure to revert back to Condominium mode, the display will flash “Con” two times confirming Condominium selection. Note that this mode change function can only be accomplished if the memory has been totally erased.

Activation of Admin mode:

Press the UP / DOWN navigation push buttons together. Release the push buttons after 1 second when the LED display illuminates. Note that the display will revert to standby after 1 minute of no push button activity.

Navigating in Admin mode:

Navigation to the required Complex Unit number is achieved by pressing and holding the required UP or Down navigation push button. Note that the longer the button is pressed the faster the Up and Down counting speed.

Select the required Complex Unit number between 0 and 99 *(0 = unit 100)* and momentarily press the SET push button. The third digit will now illuminate and indicate Unit Key position 1. Navigate to any one of 10 key locations using the UP / Down push buttons. A flashing key number indicates the position vacant and available for programming. A steady non-flashing key number indicates that the position is already programmed with a user key.

Adding a Transmitter Key to the receiver:

With the required *(flashing)* Unit Key location indicated, momentarily pressing the SET key again will open up a 10 second learning window indicated by **P1.1** *(the last digit indicates the key location number)*. With the remote transmitter at arm’s length from the receiver, press the required transmitter key. If the transmitter key is successfully received then the display will change to **P2.1**

Press the same transmitter key again to validate the key and save to the selected memory location. On successful entry, the key location number will step to the next vacant position. Note that the above procedure must be accomplished within the 10

second learning window period. If the programming is not successful or not completed within this period, the display reverts to the previous Unit number + Key location display.
To exit Key navigation and return to Unit navigation, press the UP and DOWN navigation push buttons together.

Key Learning messages:

No message – Successful, but with serial number decoding only

hop - Successful validation and entry of a full code hopping decryption and synchronization transmitter. Indicated for 1 second after **P2.1**

dup - Transmitter key duplicated *(already in memory)*. Indicated for 1 second after **P1.1**

bAd - Transmitter key failed to validate *(normally due to an unwanted stray remote received during the 10 second learn window period)*. Indicated for 1 second after **P2.1**

FuL - Unit Key memory full *(all 10 Unit Key locations have been programmed)*. Displayed for 1 second after **P2.1**

Removing a Transmitter Key:

Navigate to the required Unit and Unit Key location. Press and hold the SET push button For 5 seconds until the unit display changes to EE.1 *(third digit indicates the key position just erased)*. The display will revert to the normal Unit + Unit Key with the now erased key number flashing.
To exit Key navigation and return to Unit navigation, press the UP and DOWN navigation push buttons together.

Invoking Temporary Unit Lockout:

Navigate to the required unit number and momentarily press the SET push button to enter Key location navigate mode. Use the UP-push button to navigate to Key location 9, press the UP-push button again and the Key location display will change to “L”. Pressing the SET push button will disable all the remote keys for that Unit number (“L” display now changes to “E”).
To enable a Complex Unit after lockout, repeat the steps above until the “E” is displayed, pressing the SET key will enable all the Units remote keys. The “E” display will revert back to the original “L” display.

Total memory erasure:

From the 2-digit Unit navigation mode, press and hold down the SET pushbutton. While still holding down the SET push button, immediately press and hold the UP-push button. After holding both buttons down for 10 seconds the display changes to **- - E** The “E” will flash for approximately 3 second indicating that erasure is in progress. When totally erased the display changes to EEE for 1 second before reverting back to the original 2-digit Unit display.

RX1000 Memory Backup:

To provide 2nd level redundancy, the receiver memory can be backed up or copied to another RX100 receiver.

With power on both the master receiver and backup erased receiver, connect the two units together using the 2-wire backup cable provided with the spare receiver. Enter admin mode on both units and navigate up to unit 99 *(or key 999 if in Factory mode)*. Press the up pushbutton again and the LED display will change to “**do”** indicating “Data Out” mode. Pressing the up pushbutton again will chance the display to “**di”** indicating “Data In” mode.

Navigate to the “Data Out” mode for the master receiver and to the “Data in” mode for the erased backup receiver. Start the data transfer from Master to Backup receiver by pressing the SET pushbutton on the spare (dI) receiver and then immediately pressing the set push button the Master (do) receiver. Note that to avoid accidental overwriting of memory, data can only be copied to a deliberately erased receiver.

Down loading is indicated with the LED display counting up from zero to 999. Successful transfer of data will take approximately 60 seconds and its completion is indicated by the display changing to “**SUC**” confirming success. Detected data or communication errors will cancel the backup and the LED display will indicate **bAd** for 1 second. Note that an incomplete or aborted download will require that the backup receiver’s memory be erased before the procedure can be repeated.

RX1000 Notes:

1. The receiver can store up to 1000 remote keys in Complex or Factory mode.
2. The receiver can decode “Code Hopping” and non “Code Hopping” remote keys.
3. The receiver display will indicate “Lo” if the remote transmitter's battery is low.
4. The receiver will operate from a 12 to 24V AC or DC supply.