XPERT™
IR/UHF Remote Control Kit

HTS™

EXCELLENCE BY DESIGN,

ECHOSTAR.

90 Inverness Circle East
Englewood, Colorado 80112
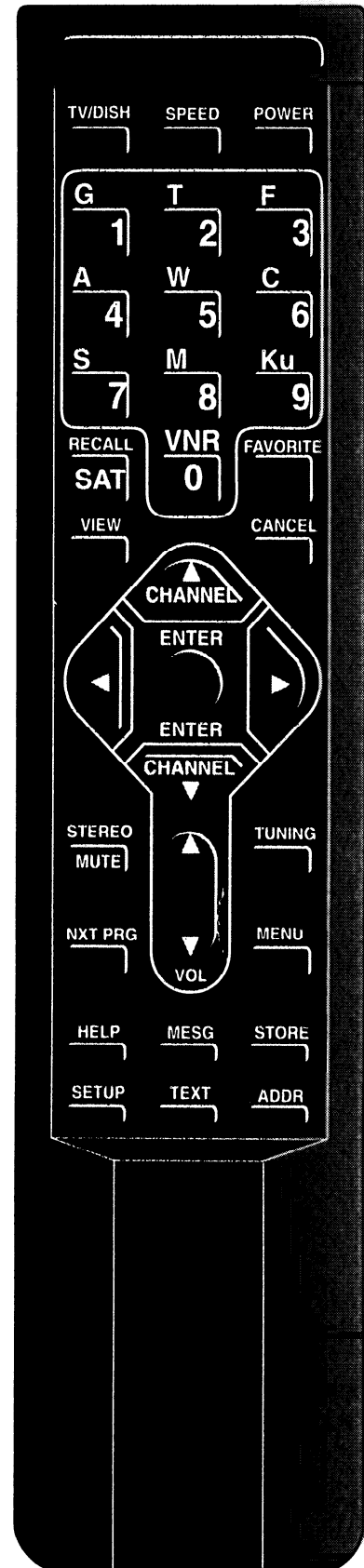(303) 790-4445

Printed in China

USER'S GUIDE

important Regulatory Factors

Wireless Remote Control

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment ON and OFF, the user is encouraged to try to correct the interference by performing one or more of the following measures: (1) Reorient or relocate the receiving antenna, (2) Increase the separation between the equipment and receiver, (2) Connect the equipment into an outlet on a circuit different from that to which the receiver is connected, (3) Consult the dealer or an experienced radio/TV technician for help. Unauthorized equipment changes may void FCC Certification.

Important Safety Instructions

For your protection, please read and observe all safety instructions before operating your XPERT™ remote control. Keep these and any additional instructions for future reference.

Installation

Observe Warnings:	Carefully follow all warnings on the unit and in the operating instructions.
Heat:	DO NOT place the unit near heat sources such as radiators, stoves, heat registers, or other appliances that produce heat.

Care and Use

Cleaning:	DO NOT use liquid or aerosol cleaners. Use a damp cloth for cleaning.
When Not In Use:	Remove the batteries from the unit if left unattended or unused for long periods of time,

WARNING! Refer servicing to qualified service personnel when a solid object or liquid has fallen onto or into the unit, Opening or removing covers other than the battery cover will void the user's warranty and authority to operate the equipment.

Contents

Introduction

Congratulations on your purchase of the XPERT™UHF/IR Universal Remote Control. The XPERT remote control is a full-function remote designed to be simple and easy to operate. The XPERT can control both UHF and IR based HTS and EchoStar satellite receivers.

The XPERT UHF/IR Universal Remote includes the following features:

- an *arrow* cluster design for maximum ease of operation:

- *a battery saving time-out* which automatically shuts off the remote if a key is continuously depressed for more than 3 minutes (as if stuck between sofa cushions);

- *a SPEED button* which allows you to program a frequently used button sequence to be controlled by a single button.

1 - Choosing an Overlay

The XPERT Universal Remote comes with an assortment of different colored remote keypad overlays, one of which you will attach to the remote. Each overlay has been designed to be compatible with one or more HTS or EchoStar satellite receivers. On the following pages, the provided overlay "colors" are shown with a list of compatible receivers, the required internal dip switch settings for the remote, and any special instructions needed to use the XPERT Remote with your receiver.

The rest of this manual consists of:

- attaching the overlay
- dip switch settings
- installing the batteries
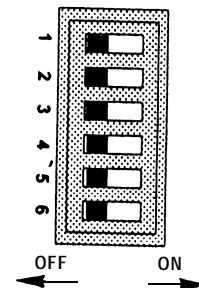- resetting the XPERT Remote
- Speed Button function

Green Overlay

Use this overlay with:
EchoStar SRD 3000
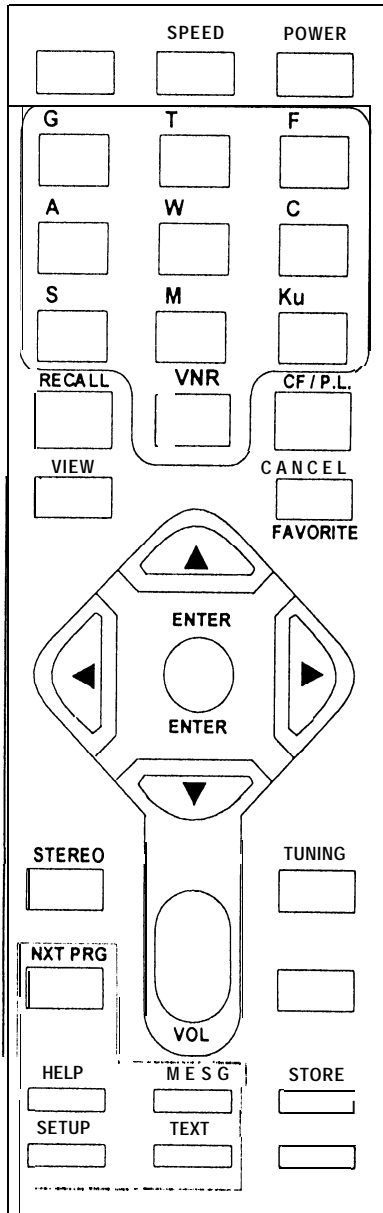**EchoStar** SRD 4000
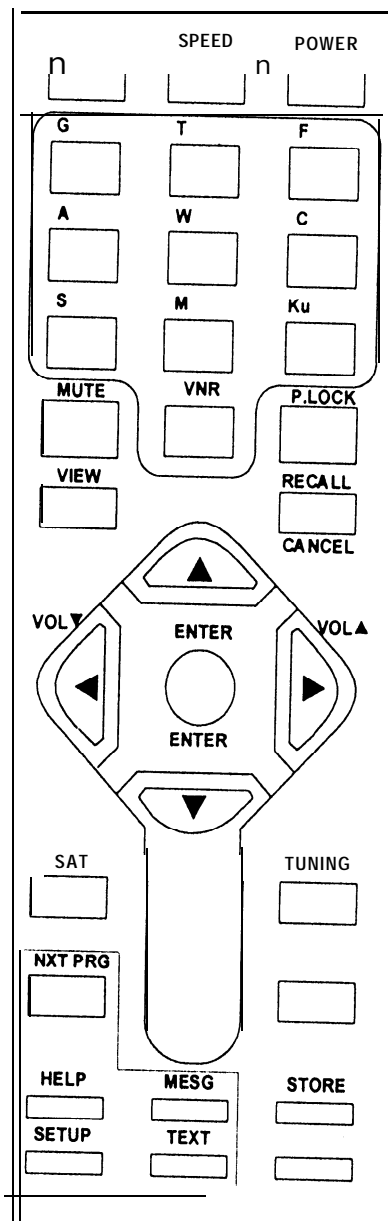
Dip Switch Setting
See page 14

Special Instructions
Use the [◄◄] [►►] buttons for volume adjustment.
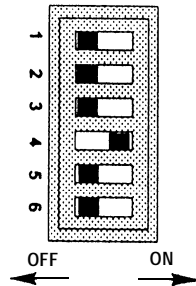
Orange Overlay

Use this overlay with:

EchoStar SRD 5/6000   Legend **IR / UHF**
Tracker 4   **Memorex**
EchoStar 310 I41 0   Legend II

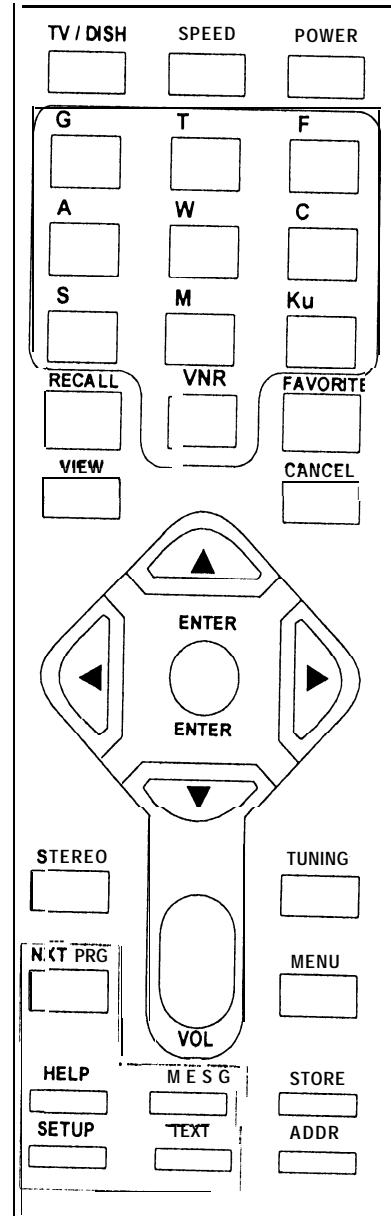Dip Switch Setting
See page 14

OFF   ON

Special instructions:

Not all units above support all the features printed on the overlay. Refer to the receiver's Operation Manual for instructions on features for a specific receiver.

Gold Overlay

Use this overlay with:

EchoStar ES 400 / 600 / 500 IR/UHF I710 *
Tracker 20/30/40/50/70 Elite/HDTV

Dip Switch Setting
See page 14

OFF   ON

Special Instructions:

ENTER button = SELECT button (Elite/400/T20) In view mode, use the ◄ ► buttons to select a new satellite east or west. Not all units above support all the features printed on the overlay. Refer to the receiver's Operation Manual for instructions on features for a specific receiver. * Use Gold Overlay for software versions 1.91 and greater.
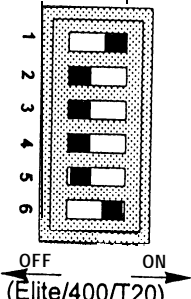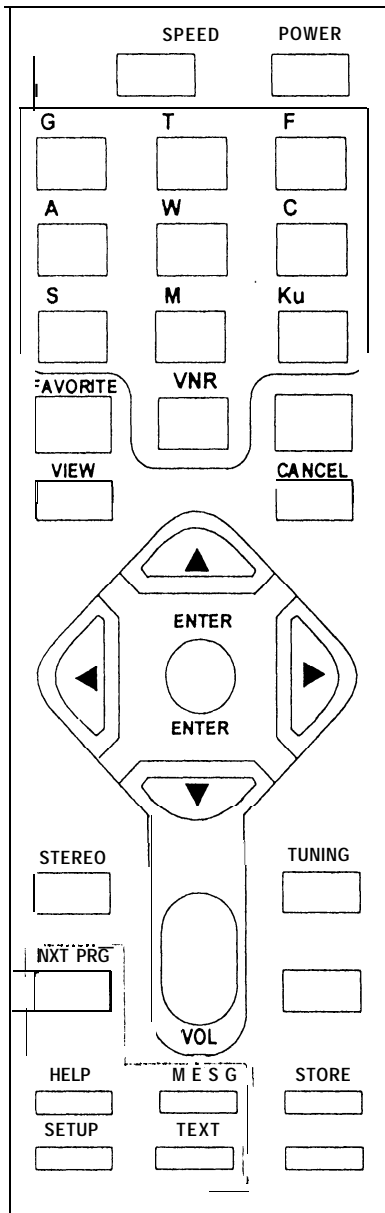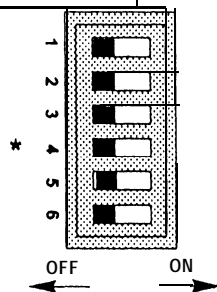
Red Overlay

Use this overlay with:

Tracker 5 */ 8+ * / 10 * / 9 * / 10+ *
EchoStar 510 / 710 *

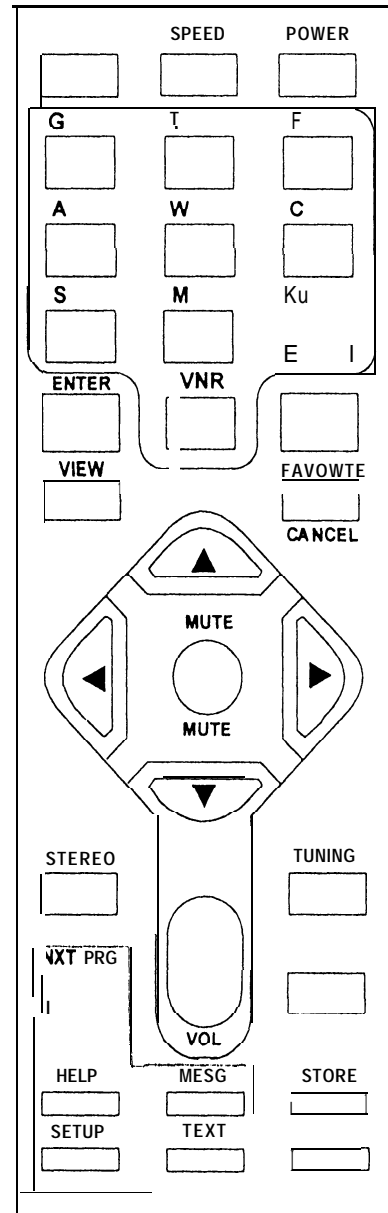## Dip Switch Setting
See page 14

Special Instructions:

* For Tracker 5 (only), set dip switch 4 to ON. For Tracker 8+ / 10 / 9 / 10+, the setting of dip switch 4 is dependent on your IRD configuration. If you have selected MAX compatible, dip switch 4 should be OFF, if MINI is selected, set dip switch 4 to ON.
* Use Red Overlay w/software versions less than or below 1.91.

Blue Overlay

Use this overlay with:

Tracker718
EchoStar 7000 / 8000
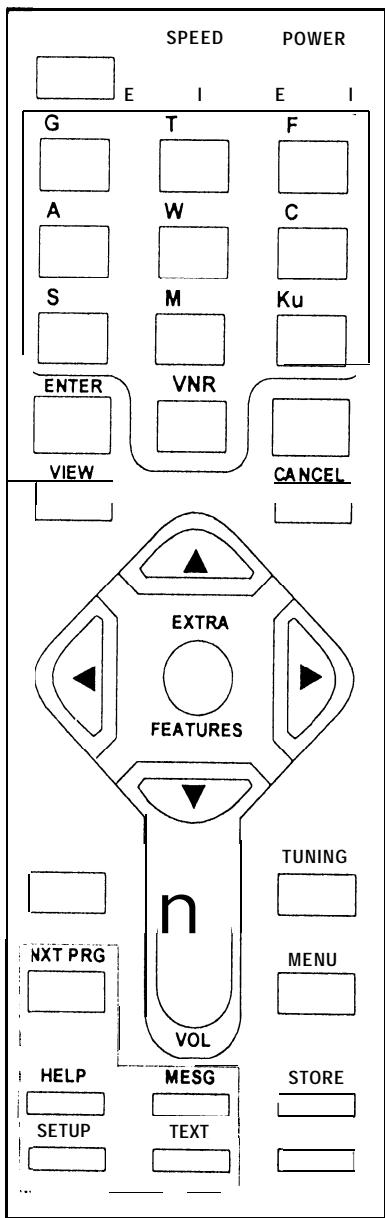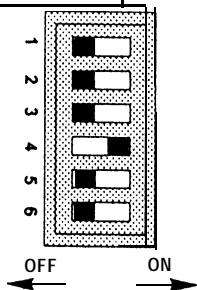

Dip Switch Setting
See page 14
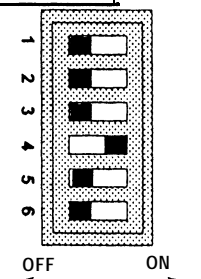
Not all units above support all the features printed on the overlay. Refer to the receiver's Operation Manual for instructions on features for a specific receiver,

Yellow Overlay

Use this overlay with:

Tracker 6

SPEED   POWER

E   I   E   I

G   T   F

A   W   C

S   M   Ku

ENTER   VNR

VIEW   CANCEL

EXTRA

FEATURES

TUNING

n

NXT PRG   MENU

VOL

HELP   MESG   STORE

SETUP   TEXT

Dip Switch Setting
See page 15

OFF   ON

2 - Attaching the Overlay

1. Starting from the top of the overlay, peal back the paper backing from approximately the top two-thirds of the overlay.

2. Gently position and center the overlay over the top three remote buttons.

Align and center over top three buttons
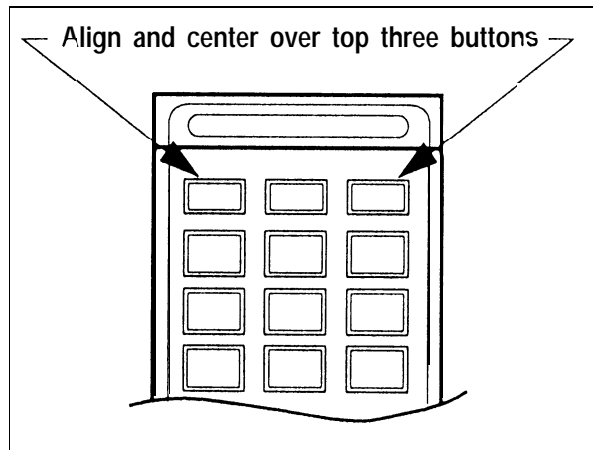
3. Gently press your finger once directly above the SPEED button to attach the overlay to the remote at one point (see below). (If the overlay requires additional alignment, this point can easily be detached.)
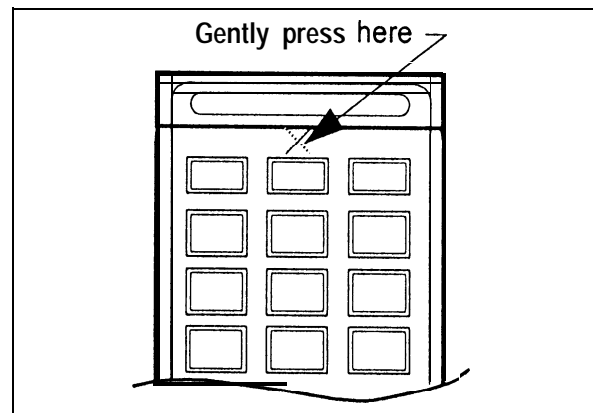
Gently press here

4. Gently position and center the overlay over the keypad, and center arrow cluster. If necessary, lift overlay and start again with step 2.

5. Gently press your finger directly above the CHANNEL ▲ button to attach the overlay to the remote at a second point (see Figure next page).
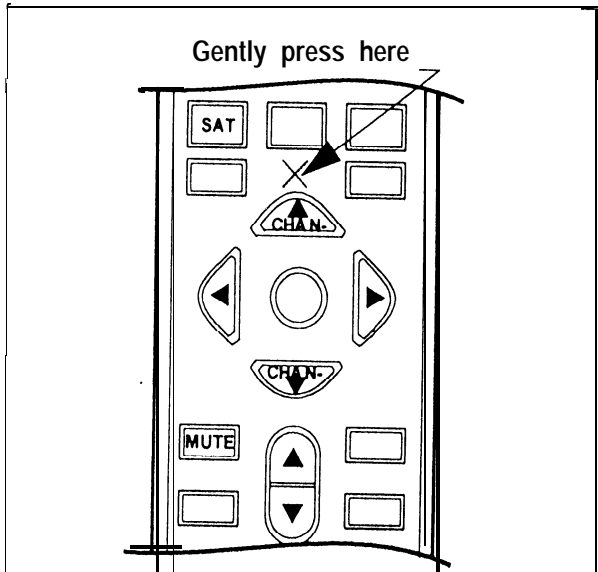
Gently press here

6. Remove the paper backing completely from the overlay.

7. Gently position and center the overlay over the VOLUME and VideoCipher buttons. If necessary, lift overlay and start again with step 2.

8. Gently press your finger directly above the MESG button to attach the overlay to the remote at a third point.

Note: **Check the overlay's alignment over the entire remote, Ensure that the overlay is centered over each button.**
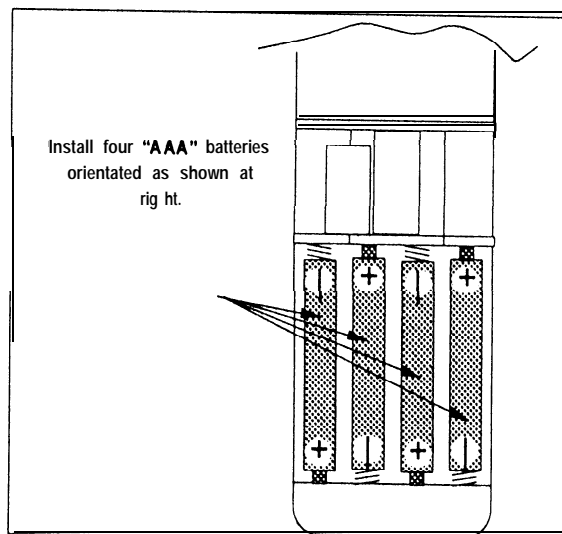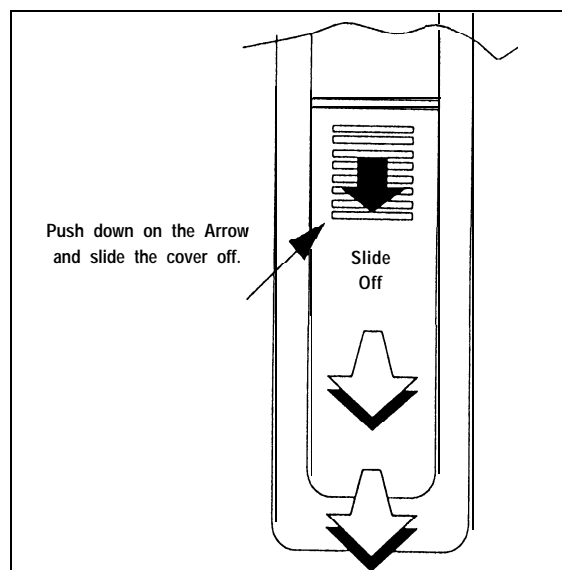
9. Rub your finger over the overlay to permanently attach it to the remote.

3 ▪ Powering the XPERT

The XPERT remote control requires four "AAA" batteries for power.

Note: **For longest battery life, we recommend using alkaline type batteries.**

To install new batteries, remove the plastic cover located on the bottom side of the remote by gently pressing the arrow down with your thumb and sliding the cover off. Remove old batteries (if applicable) and install new batteries into the compartment as indicated by battery figures located inside the compartment (negative (-) terminal of battery is pressed against one of the springs in the battery compartment). See Figure for proper battery orientation.

Push down on the Arrow and slide the cover off.

Slide Off

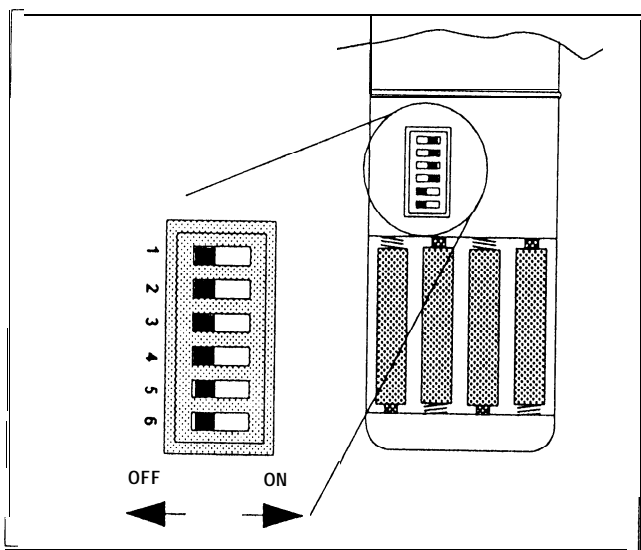Install four "AAA" batteries orientated as shown at rig ht.
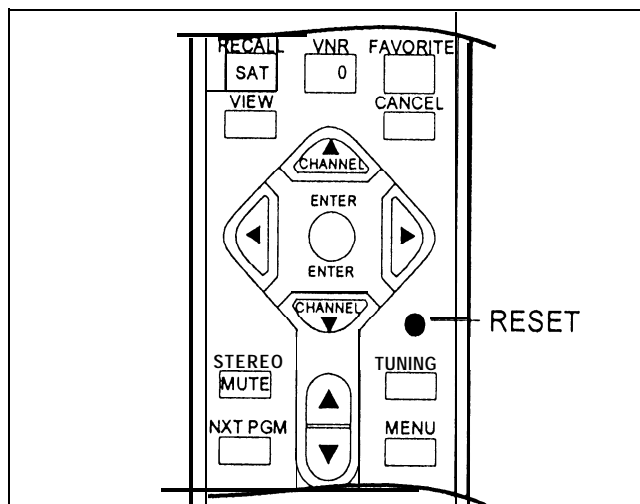
4 - Dip Switch Settings

The XPERT's dip switches are located in the battery compartment (shown below). Depending on the overlay selected, you may need to change these settings according to dip switch setting shown with the overlay illustration.

when changing dip settings:

- **orientate the remote as shown**

- **use a pen tip to move the switch setting(s)**

- **reset (clear) the remote as described below.**

5 - Resetting the Remote Control

The XPERT Remote Control will require resetting if the remote appears inoperative, or may require resetting when replacing the batteries. When reset is initiated, the LEDs briefly illuminate sequentially from left to right.

NOTE: Pressing [Reset] clears your remote's memory. All user defined [SPEED] programming is cleared from memory. The XPERT remote's address is set to "0" when resetting the remote.

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1. Using a soft-tipped object, press the **RESET** button located between the [Channel ▼], ▶, and **[TUNING]** buttons.

6 - Speed Button

The Speed Button is used to program the system to perform a series of button pushes by pressing the `SPEED` button followed by a numeric button. You can program up to 10 macro-instruction sets, each set containing up to 6 keystrokes.

To program a speed button:

1. Press `SPEED` The LED above the current mode begins to flash.

2. Press `STORE`.

3. Press one of the numeric buttons `0` - `9`. The LEDs flash twice.

4. Enter a button sequence, up to a maximum of 6 keystrokes.

5. If you entered less than 6 keystrokes, press `STORE`. Otherwise, the system will automatically store and terminate the instruction set. The LEDs flash twice indicating the successful programming of the speed button.

To use a programmed speed button:

1. Press `SPEED`.

2. Press the desired programmed numeric buttons `0` - `9`. The receiver will automatically perform the programmed sequence of keystrokes.

To erase a programmed speed button:

1. Press `SPEED`.

2. Press `STORE`.

3. Press the numeric button `0` - `9` of the program to be erased.

4. Press `STORE`.

NOTES:

Warranty

Your XPERT remote control is manufactured to HTS' specifications. The remote control warranty is limited to parts and labor for a period of one year.

The warranty extends only to the original purchaser of the equipment and is limited to the purchase price of each component. All claims under this warranty must be accompanied by proof of purchase.

This warranty does not cover damage due to fire, flood or other acts of God, improper use, repair, or alteration by other than HTS or one of its authorized repair centers, abuse, negligence, or improper installation or operation.

In no event shall the manufacturer be held liable for any incidental or consequential damage resulting from the use of the equipment. The manufacturer reserves the right to refuse to extend this warranty if any of the above exceptions are determined to have caused the equipment not to have performed properly. Replacement parts supplied under this warranty are warranted for the remaining portion of the original warranty period.

Equipment must be properly packaged and returned to HTS, 90 Inverness Circle East, Englewood, Colorado 80112, or to one of its authorized service centers, Prior to returning any equipment to HTS, the purchaser must obtain a "return authorization number" from the HTS Service Center. Cost of removal, transportation to the service center, and reinstallation will be paid by the purchaser.

An evaluation fee, plus shipping charges, may be assessed the purchaser by HTS if the returned merchandise is deemed by HTS to be operating properly.

This warranty gives you specific legal rights which may vary from state to state. Some states do not allow the exclusion or limitations of incidental or consequential damages, or allow limitations on the duration of an implied warranty, so the above limitations may not apply to you.

Service information can be obtained by either calling your dealer or TVRO Service Department at (303) 790-7878.