

IntuiKey Series Digital Keyboard

Eng

Instructions for Use



IMPORTANT SAFEGUARDS

1. Read Instructions - All the safety and operating instructions should be read before the unit is operated.
2. Retain Instructions - The safety and operating instructions should be retained for future reference.
3. Heed Warnings - All warnings on the unit and in the operating instructions should be adhered to.
4. Follow Instructions - All operating and use instructions should be followed.
5. Cleaning - Unplug the unit from the outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
6. Attachments - Do not use attachments not recommended by the product manufacturer as they may cause hazards.
7. Water and Moisture - Do not use this unit near water - for example, in a wet basement, near a swimming pool, in an unprotected outdoor installation, or in any area which is classified as a wet location.
8. Accessories - Do not place this unit on an unstable stand, tripod, bracket, or mount. The unit may fall, causing serious injury to a person and serious damage to the unit. Use only with a stand, tripod, bracket, or mount recommended by the manufacturer or sold with the product. Any mounting of the unit should follow the manufacturer's instructions and should use a mounting accessory recommended by the manufacturer.



An appliance and cart combination should be moved with care.

Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn.

9. Ventilation - Openings in the enclosure, if any, are provided for ventilation, to ensure reliable operation of the unit, and to protect it from overheating. These openings must not be blocked or covered. This unit should not be placed in a built-in installation unless proper ventilation is provided or the manufacturer's instructions have been adhered to.
10. Power Sources - This unit should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply you plan to use, consult your dealer or local power company. For units intended to operate from battery power or other sources, refer to the operating instructions.
11. Grounding or Polarization - This unit may be equipped with a polarized alternating-current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.
Alternately, this unit may be equipped with a 3-wire grounding-type plug, a plug having a third (grounding) pin. This plug will only fit into a grounding-type power outlet. This is a safety feature. If you are unable to insert the plug into the outlet, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the grounding-type plug.
12. Power Cord Protection - Power supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords and plugs, convenience receptacles, and the point where they exit from the appliance.
13. Power Lines - An outdoor system should not be located in the vicinity of overhead power lines or other electric light or power circuits or where it can fall into such power lines or circuits. When installing an outdoor system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal. U.S.A. models only - refer to the National Electrical Code Article 820 regarding installation of CATV systems.
14. Overloading - Do not overload outlets and extension cords as this can result in a risk of fire or electric shock.
15. Object and Liquid Entry - Never push objects of any kind into this unit through openings, as they may touch dangerous voltage points or short out parts that could result in a fire or electric shock. Never spill liquid of any kind on the unit.
16. Servicing - Do not attempt to service this unit yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.

17. Damage Requiring Service - Unplug the unit from the outlet and refer servicing to qualified service personnel under the following conditions:
 - a. When the power supply cord or plug is damaged.
 - b. If liquid has been spilled or objects have fallen into the unit.
 - c. If the unit has been exposed to water and/or inclement weather (rain, snow, etc).
 - d. If the unit does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions, as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the unit to its normal operation.
 - e. If the unit has been dropped or the cabinet has been damaged.
 - f. When the unit exhibits a distinct change in performance—this indicates a need for service.
18. Replacement Parts - When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.
19. Safety Check - Upon completion of any service or repairs to this unit, ask the service technician to perform safety checks to determine that the unit is in proper operating condition.
20. Coax Grounding - If an outside cable system is connected to the unit, be sure the cable system is grounded. U.S.A. models only—Section 810 of the National Electrical Code, ANSI/NFPA No.70-1981, provides information with respect to proper grounding of the mount and supporting structure, grounding of the coax to a discharge unit, size of grounding conductors, location of discharge unit, connection to grounding electrodes, and requirements for the grounding electrode.
21. Lightning - For added protection of this unit during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the cable system. This will prevent damage to the unit due to lightning and power line surges.

FCC & ICES INFORMATION (U.S.A. and Canadian Models Only)

WARNING - This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules and ICES-003 of Industry Canada. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and radiates radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense. Intentional or unintentional changes or modifications not expressly approved by the party responsible for compliance shall not be made. Any such changes or modifications could void the user's authority to operate the equipment.

If necessary, the user should consult the dealer or an experienced radio/television technician for corrective action. The user may find the following booklet prepared by the Federal Communications Commission helpful: "How to Identify and Resolve Radio-TV Interference Problems." This booklet is available from the U.S. Government Printing Office, Washington, DC 20402, Stock No.004-000-00345-4.

For additional information or to speak to a representative, please contact the Philips Communication, Security & Imaging location nearest you:

The Americas: 1 800 326 3270

Europe & Middle East: +31 40 278 1222

Asia Pacific Region: +65 350 1859

or visit our Web site at www.philipscsi.com.

Warning: This is a Class A product. In a domestic environment, this product may cause radio interference in which case the user may be required to take adequate measures.

SAFETY PRECAUTIONS



CAUTION

RISK OF ELECTRIC SHOCK. DO NOT OPEN!



CAUTION: TO REDUCE THE RISK OF ELECTRICAL SHOCK, DO NOT OPEN COVERS. NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



The lightning flash with an arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of uninsulated “dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

WARNING

TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE UNITS NOT SPECIFICALLY DESIGNED FOR OUTDOOR USE TO RAIN OR MOISTURE.



Attention: Installation should be performed by qualified service personnel only in accordance with the National Electrical Code or applicable local codes.



Power Disconnect. Units with or without ON-OFF switches have power supplied to the unit whenever the power cord is inserted into the power source; however, the unit is operational only when the ON-OFF switch is in the ON position. The power cord is the main power disconnect for all units.



Battery Replacement Caution

Use only the Recommended Power Supplies. Power supplies must comply with the requirements of the latest version of IEC 65/VDE 0860. Substitutions may damage the unit or cause a fire or shock hazard.

SECURITE



ATTENTION

RISQUE D'ÉLECTROCUTION. NE PAS OUVRIR !



DANGER : POUR ÉVITER TOUT RISQUE D'ÉLECTROCUTION, VEUILLEZ NE PAS OUVRIR LE BOÎTIER. IL N'Y A PAS DE PIÈCES REMPLAÇABLES PAR L'UTILISATEUR À L'INTÉRIEUR DU BOÎTIER. POUR TOUTE MAINTENANCE, VEUILLEZ VOUS ADRESSER À UN TECHNICIEN SPÉCIALISÉ.



L'éclair fléché dans un triangle équilatéral avertit l'utilisateur de la présence d'une “tension dangereuse” non isolée à l'intérieur de l'appareil et d'une valeur suffisante pour présenter un risque d'électrocution aux personnes.



Le point d'exclamation contenu dans un triangle équilatéral avertit l'utilisateur de la présence de consignes d'utilisation et de maintenance importantes dans la documentation qui accompagne l'appareil.

ATTENTION

POUR ÉVITER TOUT RISQUE D'ÉLECTROCUTION OU D'INCENDIE, VEUILLEZ NE PAS EXPOSER À LA PLUIE OU À L'HUMIDITÉ UN APPAREIL NON CONÇU POUR UNE UTILISATION EXTÉRIEURE.



Attention. L'installation ne doit être effectuée que par un personnel technique qualifié conformément à la réglementation du Code Électrique National ou à la réglementation locale pertinente.



Disjonction de l'alimentation. Les appareils avec ou sans commutateurs ON-OFF sont alimentés à chaque fois que le cordon d'alimentation est branché à la source d'alimentation; toutefois, les appareils disposant de commutateurs ON-OFF ne fonctionnent que lorsque le commutateur ON-OFF est dans la position ON. Le cordon d'alimentation constitue le moyen de disjonction de l'alimentation principale de tous les appareils.



Mise en garde pour le remplacement de la pile

Utiliser uniquement les alimentations préconisées. Les alimentations doivent être conformes aux exigences de la dernière version de la norme IEC 65/VDE 0860. Toute substitution peut endommager l'appareil et présenter un risque d'incendie ou d'électrocution.

SICHERHEITSHINWEISE



VORSICHT

ELEKTRISCHE SPANNUNG.
NICHT ÖFFNEN!



VORSICHT: DAS GEHÄUSE ZUR VERMEIDUNG VON ELEKTRISCHEN SCHLÄGEN NICHT ÖFFNEN. DAS GERÄT ENTHÄLT KEINE VOM BENUTZER ZU WARTENDEN TEILE. REPARATUREN NUR VON FACHPERSONAL AUSFÜHREN LASSEN.



Das Blitzsymbol im gleichseitigen Dreieck soll den Benutzer auf nicht isolierte "gefährliche Spannung" im Produkt hinweisen, die ausreichend stark sein kann, um die Gefahr von elektrischen Schlägen für Menschen darzustellen.



Das Ausrufungszeichen im gleichseitigen Dreieck soll den Benutzer auf wichtige Bedienungs- und Wartungsanweisungen in der Dokumentation hinweisen, die dem Gerät beiliegt.

WARNUNG

ZUR VERMEIDUNG VON FEUER UND ELEKTRISCHEN SCHLÄGEN DAS GERÄT NICHT REGEN ODER FEUCHTIGKEIT AUSSETZEN.



Achtung: Die Installation darf nur von qualifiziertem Wartungspersonal gemäß dem National Electrical Code oder den gültigen örtlichen Vorschriften durchgeführt werden.



Abtrennen der Spannungsversorgung: Die Spannungsversorgung zu Geräten mit und ohne Ein/Aus-Schalter ist hergestellt, wenn das Netzkabel an eine Netzsteckdose angeschlossen ist. Das Gerät ist jedoch nur betriebsbereit, wenn der Ein/Aus-Schalter eingeschaltet ist. Bei allen Geräten erfolgt das Abtrennen der Spannungsversorgung über das Netzkabel.



Zur Beachtung beim Batteriewechsel

Nur empfohlene Netzteile verwenden. Netzteile müssen den Anforderungen der neuesten Version von IEC 65/VDE 0860 genügen. Durch die Verwendung anderer Netzteile kann das Gerät beschädigt oder ein Feuer oder Stromschlag verursacht werden.

SEGURIDAD



PRECAUCIÓN

RIESGO DE DESCARGA ELÉCTRICA
¡NO ABRIR!



PRECAUCIÓN: PARA REDUCIR EL RIESGO DE DESCARGA ELÉCTRICA, NO ABRA LAS TAPAS. EN EL INTERIOR NO HAY NINGÚN COMPONENTE REPARABLE POR EL USUARIO. LAS REPARACIONES DEBE REALIZARLAS PERSONAL CUALIFICADO.



El símbolo de flecha en forma de rayo situado dentro de un triángulo equilátero pretende alertar al usuario de la presencia de "voltaje peligroso" sin aislamiento dentro de la caja del producto, el cual podría resultar de una magnitud suficiente como para presentar un riesgo de descarga eléctrica para las personas.



El punto de exclamación dentro de un triángulo equilátero pretende alertar al usuario de la existencia de instrucciones de funcionamiento y mantenimiento (reparación) en la documentación suministrada con el aparato.

AVISO

PARA IMPEDIR EL RIESGO DE INCENDIO O DESCARGA, NO EXPONGA EL APARATO A LLUVIA O HUMEDAD



Atención: La instalación debe realizarla personal cualificado en cumplimiento estricto del código eléctrico nacional (en el caso de los EE.UU.) o de los códigos locales aplicables.



Para Desconectar la Alimentación: Unidades no equipadas con interruptores ON/OFF, son alimentadas cuando el cable de alimentación es conectado a la corriente eléctrica. Las unidades equipadas con interruptores son alimentadas de igual forma, pero adicionalmente requieren que el interruptor esté posicionado en ON. El cable de alimentación es el medio principal de desconexión del equipo.



Aviso para la sustitución de baterías

Utilice únicamente las fuentes de alimentación recomendadas. Las fuentes de alimentación deben cumplir los requisitos de la versión más moderna de IEC 65/VDE 0860. Las sustituciones pueden dañar la unidad o causar incendios e incluso exponer al usuario al peligro de electrocución.

VEILIGHEIDSMATREGELEN

	VOORZICHTIG GEVAAR VOOR ELEKTRISCHE SCHOK. NIET OPENEN!	
VOORZICHTIG: MAAK HET APPARAAT NIET OPEN OM DE KANS OP ELEKTRISCHE SCHOKKEN TE VERMIJDEN. BEVAT GEEN ONDERDELEN DIE DOOR DE GEBRUIKER MOETEN WORDEN ONDERHOUDEN. LAAT ONDERHOUD EN REPARATIES UITVOEREN DOOR BEVOEGDE TECHNICI.		



Het symbool 'Bliksemflits met pijlkop' in een gelijkzijdige driehoek wijst de gebruiker op de aanwezigheid in de kast van het apparaat van niet-geïsoleerde spanningen die voldoende sterk zijn om het gevaar van elektrische schokken op te leveren.



Het uitroepteken in een gelijkzijdige driehoek maakt de gebruiker attent op de aanwezigheid in de bij het apparaat behorende documentatie van belangrijke aanwijzingen voor bediening en onderhoud.

**WAARSCHUWING
TER VOORKOMING VAN BRANDGEVAAR EN
ELEKTRISCHE SCHOKKEN MAG DIT
ARMATUUR NIET AAN REGEN EN VOCHT
WORDEN BLOOTGESTELD.**



Let op: Het apparaat mag uitsluitend door bevoegde technici geïnstalleerd worden en wel in overeenstemming met de National Electrical Code of de daarvoor plaatselijk geldende richtlijnen.



Afsluiten voeding. Apparaten met of zonder ON-OFF-schakelaar krijgen voeding zodra het netsnoer in de wandcontactdoos wordt gestoken; het apparaat is echter alleen operationeel als de ON-OFF-schakelaar op ON staat. Het netsnoer kan bij alle apparaten worden gebruikt om deze uit te schakelen.



Let op als u de batterij vervangt!
Gebruik uitsluitend de geadviseerde spanningsbronnen. Spanningsbronnen moeten voldoen aan de meest recente uitgave van de IEC 65/VDE 0860 voorschriften. Spanningsbronnen die hieraan niet voldoen, kunnen het apparaat beschadigen of gevaar opleveren voor brand en elektrische schokken.

SICUREZZA

	ATTENZIONE PERICOLO DI SCOSSA ELETTRICA. NON APRIRE.	
ATTENZIONE: PER RIDURRE IL PERICOLO DI SCOSSA ELETTRICA, NON APRIRE LE COPERTURE. L'INTERNO NON CONTIENE COMPONENTI CHE L'UTENTE PUÒ RIPARARE PERSONALMENTE. RIVOLGERSI AL PERSONALE DI ASSISTENZA QUALIFICATO PER QUALSIASI INTERVENTO DI RIPARAZIONE.		



Il simbolo triangolare di un fulmine con la punta a freccia intende mettere in allerta l'utente riguardo alla presenza di tensioni pericolose non isolate all'interno del guscio dell'unità, che potrebbero essere di intensità sufficiente per costituire pericolo di elettrocuzione.



Il punto esclamativo racchiuso in un triangolo equilatero intende avvisare l'utente in merito alla presenza di importanti istruzioni operative e di manutenzione nella documentazione di accompagnamento all'unità.

**AVVERTENZA
PER IMPEDIRE INCENDI O SCOSSA
ELETTRICA, NON ESPORRE L'UNITÀ ALLA
PIOGGIA O ALL'UMIDITÀ.**



Precauzione: affidare l'installazione al solo personale qualificato e nel rispetto del Codice elettrico nazionale (USA) o dei codici locali pertinenti.



Scollegamento dell'alimentazione. Gli apparecchi con o senza commutatori ON-OFF ricevono corrente tutte le volte che il cavo di alimentazione è inserito nella presa di forza; tuttavia, gli apparecchi muniti di commutatore ON-OFF funzionano solo se quest'ultimo è in posizione ON. Il cavo di alimentazione serve a scollegare dalla corrente tutti gli apparecchi.



Precauzione per la sostituzione della batteria
Utilizzare esclusivamente uno degli alimentatori consigliati. Gli alimentatori devono essere conformi ai requisiti della versione più recente delle norme IEC 65/VDE 0860. L'uso di un adattatore non conforme potrebbe arrecare danni all'unità o costituire un pericolo d'incendio o scossa elettrica.

ZASADY BESPİECZEŃSTAWA



UWAGA
NIEBEZPIECZEŃSTWO PORAŻENIA PRĄDEM
ELEKTRYCZNYM. NIE OTWIERAĆ!



UWAGA: ZE WZGLĘDU NA NIEBEZPIECZEŃSTWO PORAŻENIA PRĄDEM NIE WOLNO OTWIERAĆ POKRYWY. W ŚRODKU NIE MA ŻADNYCH ELEMENTÓW, KTÓRE MOGĄ BYĆ NAPRAWIANE PRZEZ UŻYTKOWNIKA. NAPRAWĘ NALEŻY POWIERZYĆ AUTORYZOWANEMU PUNKTOWI SERWISOWEMU.

 Błyskawica ze strzałką wewnątrz trójkąta równobocznego ma za zadanie zwrócić uwagę użytkownika na obecność niez izolowanego "niebezpiecznego napięcia" wewnątrz obudowy urządzenia, o wielkości stwarzającej niebezpieczeństwo porażenia prądem.

 Wykrzyknik wewnątrz trójkąta równobocznego ma za zadanie zwrócić uwagę użytkownika na ważne czynności, związane z obsługą i konserwacją urządzenia, zamieszczone w Instrukcji obsługi.

OSTRZEŻENIE
ABY UNIKNĄĆ POŻARU LUB PORAŻENIA PRĄDEM NIE WOLNO WYSTAWIAĆ NA DZIAŁANIE DESZCZU LUB WILGOCI URZĄDZEŃ, KTÓRE NIE ZOSTAŁY SPECJALNIE ZAPROJEKTOWANE DO UŻYWKANIA NA OTWARTYM POWIETRZU.

 **Uwaga:** Instalację urządzenia powinien wykonać tylko wykwalifikowany personel, zgodnie z przepisami NEC lub odpowiednimi przepisami miejscowymi.

 **Odlączanie zasilania.** Urządzenia zarówno nie posiadające, jak i posiadające wyłączniki ON-OFF znajdują się pod napięciem, jeżeli tylko przewód zasilający jest połączony ze źródłem zasilania. Jednakże urządzenie działa tylko wtedy, gdy wyłącznik znajduje się w położeniu ON. Przewód zasilający jest głównym odłącznikiem zasilania dla wszystkich rodzajów urządzeń.

 **Wymiana baterii**
Stosuj tylko zalecane baterie. Muszą one spełniać wymagania najnowszej wersji IEC 65/VDE 0860. Zamienniki mogą uszkodzić urządzenie lub spowodować pożar czy porażenie prądem.

MEDIDAS DE SEGURANÇA



CUIDADO
RISCO DE CHOQUE ELÉCTRICO.
NÃO ABRIR!



CUIDADO: PARA REDUZIR O RISCO DE CHOQUE ELÉCTRICO, NÃO ABRA AS TAMPAS. O INTERIOR NÃO CONTÉM PEÇAS QUE NECESSITEM DE MANUTENÇÃO. A MANUTENÇÃO DEVE SER EFECTUADA POR PESSOAL DE ASSISTÊNCIA TÉCNICA QUALIFICADO.

 O símbolo do raio com a cabeça de uma seta dentro de um triângulo equilátero serve para alertar o utilizar para a presença de "corrente eléctrica perigosa" não isolada no interior da caixa do produto que pode ser suficiente para dar origem a choques eléctricos.

 O ponto de exclamação dentro de um triângulo equilátero serve para alertar o utilizador para a presença de instruções de funcionamento e manutenção importantes na documentação fornecida com o aparelho.

AVISO
PARA EVITAR INCÊNDIOS OU CHOQUES ELÉCTRICOS, NÃO EXPONHA À CHUVA OU HUMIDADE UNIDADES NÃO ESPECIFICAMENTE CRIADAS PARA UTILIZAÇÃO NO EXTERIOR.

 **Atenção:** A instalação deve ser efectuada por pessoal de assistência técnica qualificado, de acordo com o National Electrical Code (Normas de Electricidade Nacionais) ou a legislação local aplicável.

 **Desconexão da electricidade.** Unidades com ou sem interruptores ON-OFF são activadas sempre que o cabo eléctrico for ligado a uma fonte de alimentação. No entanto, a unidade fica operacional apenas quando o interruptor ON-OFF se encontrar na posição ON. Para desligar a electricidade em qualquer uma das unidades deve ser utilizado o cabo eléctrico.

 **Precauções a ter durante a substituição da bateria**
Use apenas fontes de alimentação recomendadas. As fontes de alimentação devem cumprir os requisitos da versão mais recente de IEC 65/VDE 0860. Qualquer substituição pode causar danos na unidade ou dar origem a incêndios ou choques eléctricos.

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I INTRODUCTION TO THE INTUIKEY DIGITAL KEYBOARD SERIES

1.1 Guide to This Manual

This manual contains all the information necessary to safely install and operate the IntuiKey Digital Keyboard. Consult the Table of Contents for a detailed list of topics covered. Step-by-step procedures, illustrations, and sample menus guide you through each phase of IntuiKey setup and operation.

Throughout the manual, you will see sample drawings of each menu as they appear on the keyboard. These drawings display the softkey text in relation to the **Softkey**. For the purposes of this manual, each key is numbered from 1 to 14, using the convention found in **Figure 1-1**.

Following the menu diagram, the function of each key is described in a paragraph indicated with an Icon such as “①” clearly identifying the particular softkey.

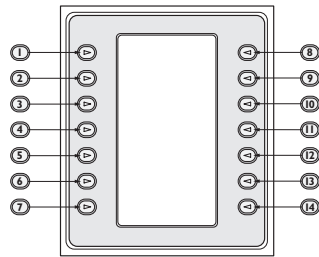


Figure 1-1 Softkey Numbering Guide

Installation of the IntuiKey includes mounting and connecting the unit to other system components. The **plug and play** design makes installation and setup of the unit quick and easy.

Operating instructions are provided in several sections of the manual. **Section 3** covers basic keyboard **navigation**, while **Sections 4 through 6** are devoted specifically to keyboard control of the products. **Be aware that some instructions are model-specific; be sure to read the appropriate information for your IntuiKey model.**

The Appendices of this manual contain a complete listing of the IntuiKey System Control menus.

1.2 Unpacking

Unpack carefully. This electronic equipment should be handled with care to prevent damage to the unit. Check for the following items:

- ✓ IntuiKey Keyboard with Integral Joystick
- ✓ Instructions for Use (manual)
- ✓ 10-foot (3 m) power cable(s)
- ✓ 390 Ohm Terminator (p/n 303-2728-001)

If any items appear to have been damaged in shipment, replace the item(s) properly in the shipping carton and notify the

shipping company. If any items are missing, notify your Philips CSI Sales Representative or Customer Service Representative.

NOTE: The shipping carton is the safest container in which to transport the unit. Save it and all packing materials for future use.

1.3 Service

If any component of the IntuiKey Digital Keyboard ever needs repair service, contact the nearest Philips Communication, Security & Imaging Service Center for return authorization and shipping instructions.

Service Centers

U.S.A.: Phone: 800-366-2283 or 408-956-3895

fax: 800-366-1329 or 408-956-3896

e-mail: NationalServiceCenter@ca.slr.com

Canada: 514-738-2434

Europe, Middle East & Asia Pacific Region:

32-1-440-0711

For additional information, see www.philipscsi.com.

1.4 Understanding the IntuiKey

The IntuiKey provides easy, full-function system control and programming of a variety of Philips CSI security products including Allegiant Switchers, **Divar** Series digital video recorders, **System4**® Multiplexers, VCRs and the **ADIM** integrated Allegiant/**Hi-Q**™ digital recording system. System cameras can be controlled through any of these devices linked to the keyboard. **Backwards compatibility** with existing Philips products enables the IntuiKey's integration into almost any system configuration (no additional devices/interfaces necessary).

The IntuiKey user interface simplifies system programming by providing intuitive menus, allowing easy and flexible system control navigation. Using the optional KBD-SFTCFG software package (sold separately), customized menu screens can be programmed to activate Allegiant Command Script macro functions. In addition, this PC-based software supports individualized labeling of the softkey text displays. (Refer also to the details contained in Appendix C).

The IntuiKey is available in three models, each with an integral, variable speed pan/tilt/zoom joystick. The **KBD-Universal** provides control of any combination of system components, including Allegiant Switchers, **Divar** DVRs, and **System4**® Multiplexers. The **KBD-Digital** provides control of **Divar** digital video recorders and **System4**® Multiplexers. The **KBD-Mux** provides control of **multiplexer systems only**. Optional equipment available from Philips for use with the IntuiKey Keyboards includes an external power supply, rack mount kit, and keyboard extenders.

The following chart provides basic operating specifications:

SPECIFICATIONS

Electrical		Mechanical	
Operating Voltage:	12–15 VDC (supplied by any one or combination of Allegiant switcher, Divar digital video recorder, System4 ® Multiplexer, and/or optional power supply).	Construction	
Power:	5 Watts Nominal.	Finish:	Charcoal
Signal:	A: Allegiant; 2 wire RS-485, 9600 Baud, 8 bits, No parity, 1 Stop bit. B: Mux/DVR; 2 wire RS-485, 19,200 Baud, 8 bits, No parity, 1 Stop bit. C: RS-232 Serial Port; RS-232 RTS/CTS Handshaking, 19,200 Baud, 8 bits, No parity, 1 Stop bit.	Width:	12.00 in 327.66 mm
		Depth:	7.518 in 190.95 mm
		Height:	2.969 in 75.41 mm
		Weight:	2.62 lb 1.19 kg
		Connectors:	A: Allegiant RJ-11 Data/Power. B: MUX/DVR RJ-11 Data/Power. C: Aux Power (Optional) 12VDC Bayonet Plug. D: RS-232 Serial Port; Male Null Modem 9-pin Dsub. Data Only.
Compatibility	Backwards compatible with all Allegiant systems utilizing variable speed protocol (CPU Firmware 5.3 and higher, released 6/94). Compatible with all Divar Series of digital video recorders. Backwards compatible with all System4 ® Multiplexers.		

2 INSTALLING THE INTUIKEY DIGITAL KEYBOARD

2.1 Determining the IntuiKey System Configuration

Before the IntuiKey is mounted or connected to other system components, system configuration must be determined.

The IntuiKey is capable of controlling up to thirty (30) multiplexers/DVRs and one (1) video switcher simultaneously.

Figure 2-1 illustrates basic IntuiKey system configuration with these devices. If more than one IntuiKey is to be connected to a single multiplexer or group of daisy-chained multiplexers, a keyboard port expander must be added. The Allegiant Series of video switchers have a varying number of keyboard ports depending on model

number. If more than eight keyboards are required on one of the larger Allegiant Series Switchers, an Allegiant keyboard expander must be added.

NOTE: Philips offers the following Keyboard Expanders:

- For Use with Allegiant Series Switchers:
LTC 8714 – Keyboard Port Expander
LTC 8715 – Keyboard Expander
- For Use with **Divar** Series DVRs, or **System4®** Video Multiplexers:
LTC 2604 – Keyboard Port Expander

Please contact your Philips CSI Sales Representative for more information.

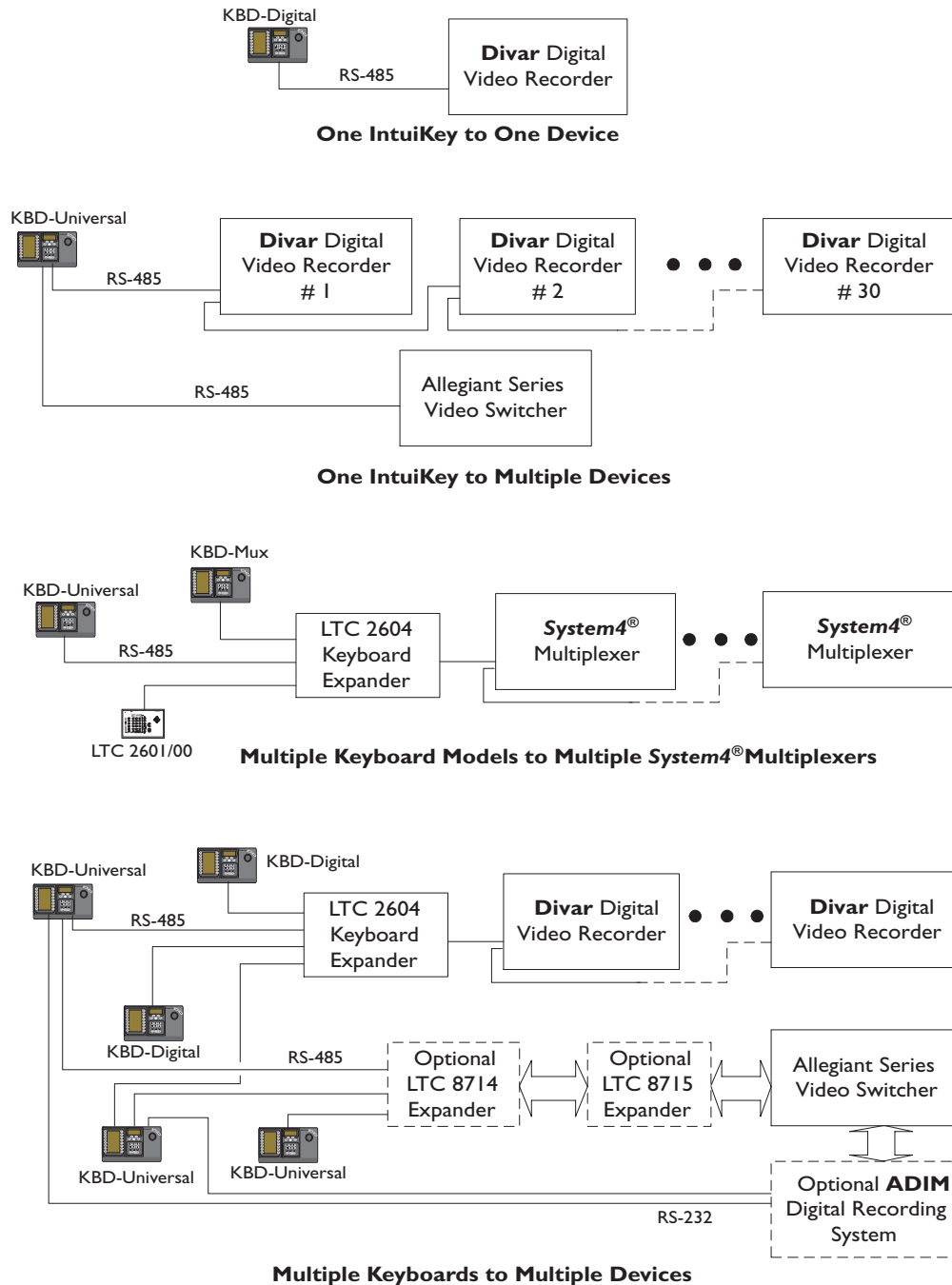


Figure 2-1 Basic IntuiKey System Configurations

System power connections must also be considered. Depending on the distance between the keyboard and devices under control, an external power supply may be needed according to the following specifications:

Distance from Keyboard to Device under Control*	Optional Equipment Needed
Less than 10 ft (3.5 m)	NONE
Between 10 ft (3.5 m) and 100 ft (30 m)	KBD-120PS/KBD-220PS External Power Supply
Greater than 100 ft (30 m)	LTC 8557/60(50) Keyboard Extender

* **NOTE:** Distances may vary depending on the number of keyboards connected.

2.2 Mounting the IntuiKey

The IntuiKey LCD displays are readable in all but direct sunlight conditions. Locate the keyboard on a flat horizontal surface, with an optimal LCD viewing angle of 0 to 20 degrees from vertical. Display contrast levels are software-controlled and may be adjusted via the Keyboard Control Menu (as described in **Section 3.4**). An optional rack mount kit may also be used.

2.3 Connecting the IntuiKey

1. Refer to **Figure 2-2** for details on the input/output connections supplied by the IntuiKey Keyboard. Four connectors are located on the IntuiKey rear panel: (2) RJ-11 connectors, (1) female 9-pin sub-D connector, and a DC power jack. The RJ-11 connectors are labeled as **Allegiant** and **MUX/DVR**, and the 9-pin sub-D is labeled **RS-232 Serial Port**.

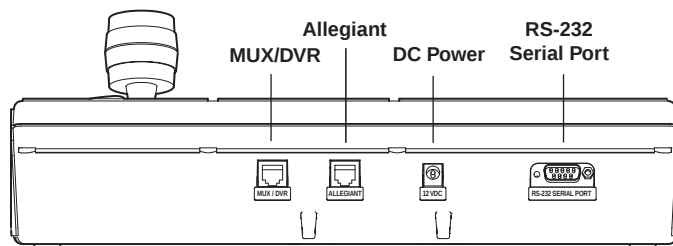


Figure 2-2 Back Panel Connections of IntuiKey

ATTENTION: To ensure proper system functioning and to prevent damage to the unit, it is critical that only Allegiant devices be connected to the Allegiant connector, and Multiplexer/DVR devices be connected to the MUX/DVR connector.

2. Review the configuration options shown in **Figure 2-4**. Make the necessary keyboard data and power connections that are best suited to your system requirements based on these diagrams. When connecting to **Divar** DVRs or **System4®** Multiplexers, attach the supplied 390 Ohm terminator to the **Out** connector on the last device.

NOTE: In systems having multiple **Divar** DVRs or multiple **System4®** Multiplexers, use the front panel controls on the video devices to assign appropriate address numbers and starting camera numbers. The IntuiKey will not properly recognize the video devices if there are conflicting addresses in the system.

3. After power is applied, the keyboard initializes and displays the following:

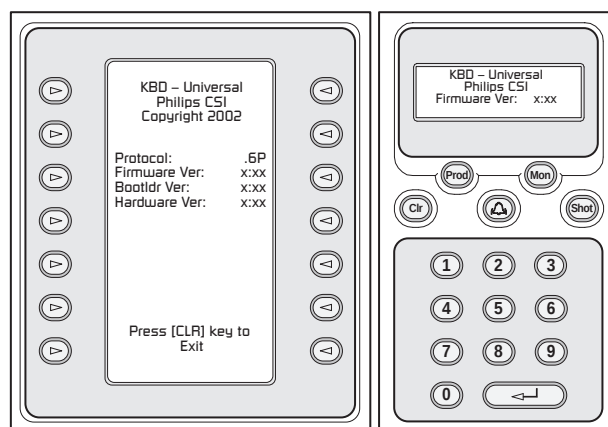


Figure 2-3 Initial Power-up Display

4. After a brief pause (or immediately after the **Clr** button is pressed), the keyboard will perform a brief search for connected devices.

NOTE: On initial power-up, factory reset, or firmware upgrade, the IntuiKey displays a Language Menu. Select the desired language by pressing the softkey next to the language title. If additional languages are available, the arrow softkeys at the bottom of the screen can be used to scroll to a second menu screen.

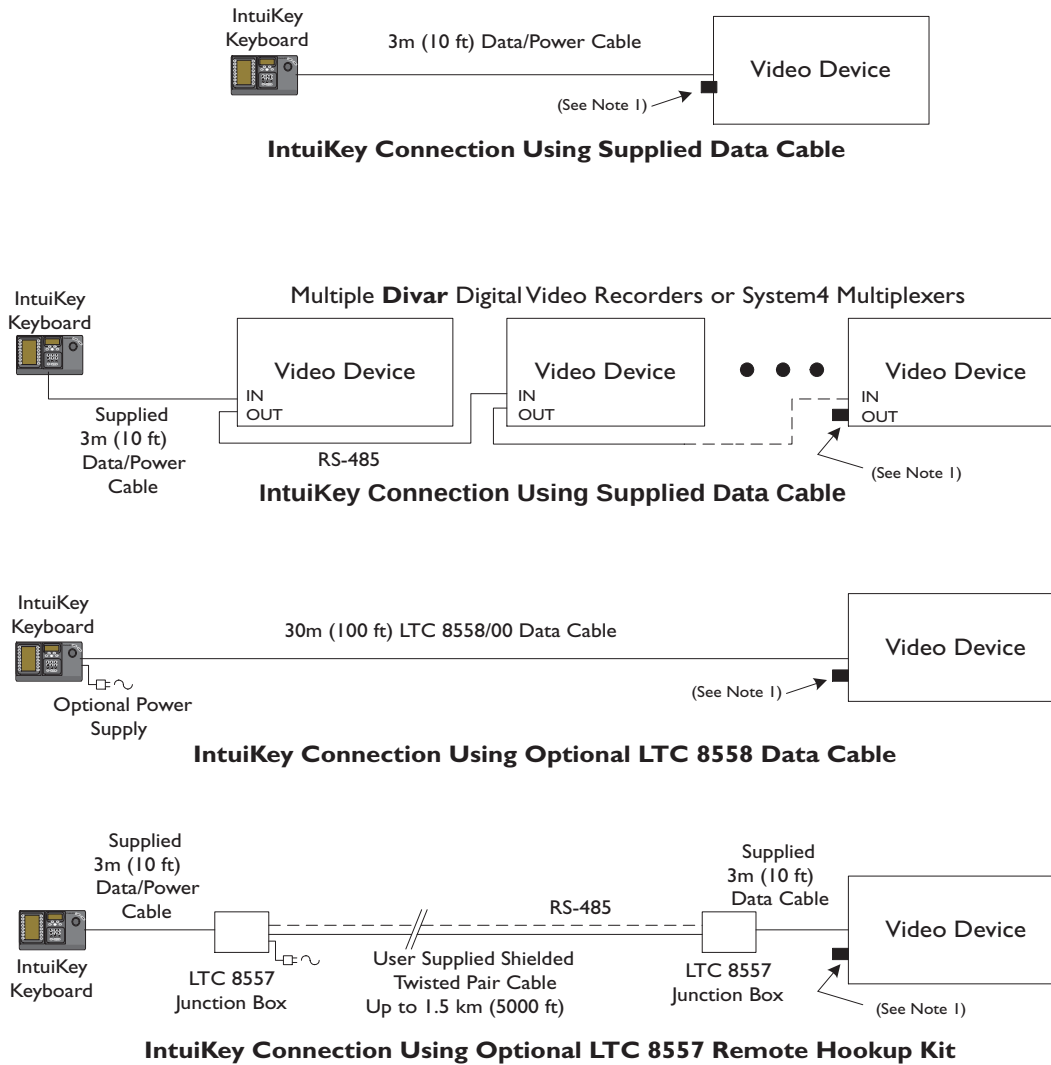


Figure 2-4 Typical Intuikey Connection Options

NOTE 1: Attach the supplied 390 Ohm terminator to the **Out** connector when using **Divar** Digital Video Recorders or **System4**® Multiplexers.

3 OPERATING THE INTUIKEY DIGITAL KEYBOARD

3.1 Learning the IntuiKey Components

Learning the IntuiKey Keyboard components is accomplished easily by dividing the keyboard into four separate functional areas as shown in **Figure 3-1**:

- The Status Display
- The Keypad
- The Softkeys and Softkey Display
- The Joystick

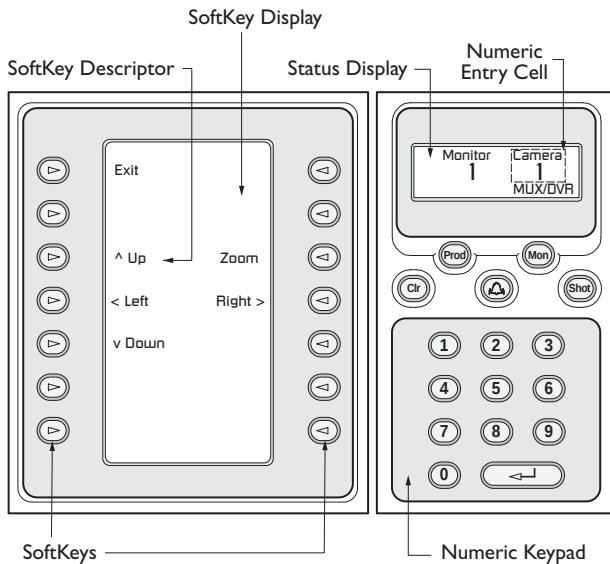


Figure 3-1 IntuiKey Components

3.1.1 The Status Display

The Status Display changes dynamically to display pertinent information about the keyboard's present mode of operation. Typically, its information conveys one of two keyboard operating modes: **Normal Mode** or **Error Code**.

In **Normal Mode**, the status display provides data pertaining to the present device under control (e.g. monitor number, camera number, device under control status, etc.). Common elements in the display for all devices are a product indicator centered on the bottom line of the display and one or more numeric entry cells. Each numeric entry cell has a title that describes what the number represents.

When a user operation results in an error, the status display changes to **Error Code** (see **Section 4.3** for Allegiant Error Messages, **Section 5.6** for Divar Error Messages, and **Section 6.3** for Mux Error Messages). The display shows the error number, a short description of the error, and the present device under control.

The display reverts to **Normal Mode** either automatically in two seconds (on its own) or when **CLR** is pressed.

3.1.2 The Keypad

The **Keypad** includes the five function buttons (located directly below the status display), as well as the numeric keypad.

PROD displays the keyboard's **Product Selection Menu**. This function key (in conjunction with the Softkeys/Softkey Display) selects the device under the control of the keyboard. The Product Selection menu also provides access to the **Keyboard Control Menu**.

MON functioning depends on the IntuiKey Model and device under control. For KBD-Universal keyboards, **MON** allows entry of a Monitor Number when controlling an Allegiant Switcher. When controlling a DVR or multiplexer, **MON** toggles between Monitors A and B.

CLR clears any numeric entry and the display reverts to **Normal Mode**.

ⓐ provides acknowledgement of an external alarm/alert/action condition. When this condition is detected, an audible alarm is enabled, and the ⓐ key flashes red. The key then functions differently depending on the device presently under keyboard control.

NOTE: Refer to **Section 3.3** for additional information on alarm/alert/action indication and acknowledgement.

SHOT allows selection of camera pre-positions and is also used to assign softkey display screen numbers. Pressing **SHOT** twice enters the preposition programming entry mode. If **SHOT** is pressed twice inadvertently, press **SHOT** again to return to the pre-position selection mode.

The **Numeric Keypad** allows numeric entry (shown in the status display) as required by the present function. Note that the **default state** of the Keypad is camera entry (i.e. pressing a numeric key places that number in the status display under the camera title).

3.1.3 The Softkeys and the Softkey Display

The Softkeys and Softkey Display allow easy and flexible control and programming of system devices under keyboard control.

The **Softkey Buttons** are located on either side of the softkey display. Each softkey may have a special descriptor associated with it that consists of up to three lines of ten characters. Pressing a softkey initiates the action described by the associated text. The actual on-screen display may vary depending on the model being controlled.

The **Softkey Display** associates commands with the softkey buttons. The commands shown in the display changes depending on the operational mode of the keyboard and previous softkey selections. Note that the softkey display initially shows a default menu tailored to the device under control. This initial menu contains softkey functions that represent commonly used commands, as well as keys that represent links to other command menus.

3.1.4 The Joystick

The **IntuiKey Joystick** provides two levels of system functionality: control of pan/tilt/zoom for an external camera or navigating the on-screen programming menus of the Allegiant Video Switchers, AutoDome® Series Cameras and other devices.

Moving the joystick in one of eight directions provides pan/tilt control of appropriately equipped cameras. Rotating the knob in either a clockwise or counterclockwise direction provides lens zoom control.

Focus and **Iris Control**, located above and to the right of the joystick, are rocker-style buttons that provide keyboard control of camera lens focus (near/far) and camera iris function (open/close).

3.2 Navigating the System with the IntuiKey Keyboard

Learning basic navigation techniques with the IntuiKey ensures readiness for control of the system devices. The following procedures are general in nature and may be applied to the control of various system devices/operating modes.

3.2.1 General Guidelines for Navigating the IntuiKey Menus

The following keys are important for entering and exiting the IntuiKey programming/control menus:

- **EXIT** – This softkey command is located in the upper left corner of each softkey menu. Use this key to move *back* one level in the menu structure (complete menu diagrams are provided in **Appendix A** at the back of this manual).
- **PROD** – Press **PROD** at any time to return directly to the *Main Product Selection* menu.
- **CLR** – Press **CLR** to clear any numeric entry and revert the display to *Normal Mode*.

3.2.2 The Product Selection Menu

The Product Selection menu lists the devices that are in communication with the IntuiKey. Up to 12 devices can be shown on a single screen. If more than 12 devices are connected, the arrow softkeys at the bottom of the screen can be used to scroll through the additional menu(s).

The softkey to enter the *Keyboard Control* menu can always be found at the very end of the device listings.

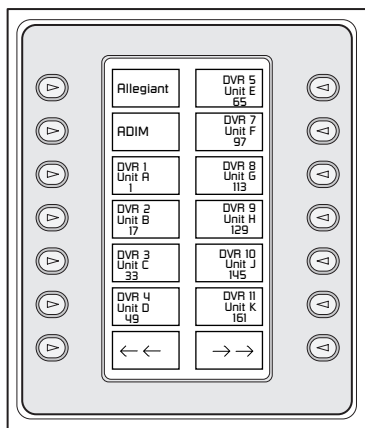


Figure 3-2 Main Product Selection Menu

IMPORTANT: When the IntuiKey is first connected up to a device, or whenever a new video device is added to an existing system, enter the Product Selection menu and press the **PROD** key. The keyboard will initiate a scan of the communication lines and update the list of devices connected to it.

If communication is ever lost with an existing device, the product name display will indicate an **Off_Line** condition. After communication with the device is restored, this message will disappear.

For multiplexers, the device address number will be shown. For DVRs, the DVR address number, its name, and the starting camera offset number will be displayed.

3.2.3 Selecting a Device for Control

1. Press the **PROD** button to put the keyboard in the *Product Selection Mode*. The softkey display shows the *Product Selection* menu (refer to **Figure 3-2**).
2. Press the desired softkey button adjacent to the desired product name in the display. Upon selection of a system device to be controlled, the keyboard indicates what product it is controlling by displaying its name (up to 10 characters maximum) at the bottom of the status display. The softkey display menu also changes to the top level menu associated with the selected device.

3.2.4 Easy Switching Between Devices

Pressing and holding the **PROD** key for longer than 1 second while using a DVR or multiplexer enters the device address selection mode. Entering the address of a device will cause the keyboard to switch to that device's main menu. If the device address does not exist, an error message will result, and no change will occur.

3.2.5 Using the Keypad for Numeric Entry (Camera Control)

1. Press a desired numeric key to place the number in the status display under the camera title.
2. Note that additional key entries add digits to the **RIGHT** side of the camera number. If more than the maximum number of digits allowed for the specific entry is entered, the leftmost digit is lost, and all other digits promoted.
3. Leading zeros may be entered but are not required.
4. Press **ENTER** to complete numeric entry.

3.2.6 Using the Quick Selection Softscreen Feature

The IntuiKey softkey display screens can be assigned a reference number which can then be recalled to quickly return to the desired screen.

1. To assign a number to a softkey display screen, first navigate to the desired screen. Simultaneously press the digit **0** and **ENTER** to enter the softkey screen programming mode. Press **SHOT** followed by the single digit (0 to 9) that you want to assign to this screen.
2. To quickly jump to a previously programmed softkey display screen, simultaneously press the digit **0** and **ENTER**. Press the desired softkey display screen number.

NOTE: Ten (10) softkey numbers are available within a single product category. Softkey screen numbers can only jump between screens within the same product category. If an existing softkey screen number is assigned to a new softkey screen, the old one is no longer valid. Assignments remain even if power is lost.

3.3 Alarm/Alert/Action Indication

When the IntuiKey detects that an alarm/alert/action condition has occurred on the presently controlled device, the  key flashes red and an audible tone is heard. During alarm responses, Divar DVRs and System4[®] multiplexers will also show special icons to represent the different types of alarm conditions. Contact type alarm conditions will be represented by a  icon, and action alarm conditions will be represented by a  icon.

If the alert occurs on a device that is not presently under control, the product indicator (in the status display) alternates between the present product designator and the alarmed product, with the text **ALERT** added. The present product is displayed for two seconds, while the alarmed product is displayed for 0.5 seconds.

3.4 Configuring the IntuiKey Keyboard

The IntuiKey Keyboard *plug and play* design allows operation to begin as soon as the keyboard is connected to system components. However, if you desire to review the default settings, or wish to change any of these settings, refer to the following information and procedures for the **Keyboard Control Mode**.

3.4.1 Accessing the Keyboard Control Menu

1. Press **PROD** to view the **Product Selection** menu (see **Figure 3-2**).
2. Press the softkey labeled **Keyboard Control**. The Keyboard Control softkey can always be found at the very end of the device listings.
3. The Softkey Display shows the **Keyboard Control** main menu (see **Figure 3-3**). A review of the **Keyboard Control** menu options follows.

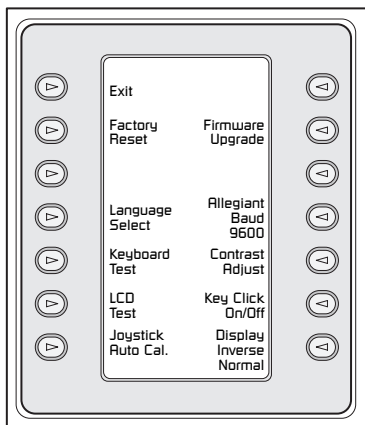


Figure 3-3 Keyboard Control Menu

3.4.2 Keyboard Control Menu Options

- ① **Exit**
Reverts to the **Product Selection** menu.
- ② **Factory Reset**
Resets the keyboard to the following states:

Product Selected	NONE
Key Click	ON
Display Inverse	Normal (black on white)
Mux Destination	Addr 1
Softkey Contrast	9
Status Display Contrast	6
Mux User Level	No Access
Language	NONE
Allegiant Baud	9600
- ③ **Not Used**
- ④ **Language Select**

For selection of the display language. Choose from the following languages: English, French, Spanish, Italian, Dutch, and German. Pressing the next or previous arrow jumps between this menu and the Polish and Portuguese option menu.

⑤ Keyboard Test

Displays a keyboard test screen on the softkey display. Press **ENTER** to exit the keyboard test mode. As each key is pressed, an indicator displays on the screen. If the joystick is moved, its present variable speed value is displayed. Pan and Tilt ranges from 0 to 15; Zoom ranges from 0 to 7.

⑥ LCD Test

Different patterns are displayed on the softkey display, and the alarm LED flashes. Each pattern displays for approximately two (2) seconds.

⑦ Joystick Autocal

Auto-calibrates the joystick (allow the joystick to self-center, then press **ENTER**). The softkey display then indicates **New Values Saved**.

⑧ Not Used

⑨ Firmware Upgrade

Places the keyboard into a password-protected mode that allows upgrade of the internal software via serial connection to a host computer. See **Appendix C** for details on entering passwords.

⑩ Not Used

⑪ Allegiant Baud

This password-protected option is used to set the baud rate of the keyboard's Allegiant port. In most cases, this setting should not be changed unless directed by the factory. The settings must match in both the keyboard and the Allegiant. Two rates are available, 9600 (default) and 19,200. The current setting is displayed on the menu screen.

⑫ Contrast Adjust

Displays the **Contrast Adjust** menu which provides two adjustment *scales*: one for the softkey display, and one for the status display. Control each adjustment *scale* with the adjacent softkey buttons (as indicated by the arrows in the menu). Generally, the buttons to the right of each scale decrease the contrast (make the display lighter), while the buttons to the left increase the contrast (make the display darker). The indicator on the scale is incremented (moved) one step for each press of the softkey. The indicator *wraps around* when either limit is reached. When the desired contrast level is reached, press **ENTER** to exit the submenu and store the values. Press **CLR** at any time to reset the contrast to the presently stored value. Pressing **MON + CLR** (simultaneously, at any time while using the keyboard) resets the contrast to the center position of the *scale*.

NOTE: It is possible to adjust the contrast to a level where the text cannot be seen. If this happens, simply continue pressing the softkey until the text reappears OR press **CLR** to restore the display to the presently stored values.

⑬ Key click On/Off

Toggles between audible sound at each key click and no sound at each click. Upon pressing the key, the softkey descriptor indicates whether key click is on or off.

⑭ Display Inverse

Toggles the display between black-on-white display or white-on-black display. Upon pressing the key, the softkey descriptor indicates whether display inverse is on or off.

4 CONTROLLING ALLEGIANT® SERIES VIDEO SWITCHERS

NOTE: This section applies to KBD-Universal Model ONLY.

4.1 The Allegiant Main Control Menu

4.1.1 Accessing the Allegiant Main Control Menu

1. Press **PROD** to put the keyboard in *Product Selection Mode*. The *Product Selection* menu appears in the softkey display.
2. Press the Allegiant or ADIM softkey button, and observe that the status display shows the Allegiant mode.

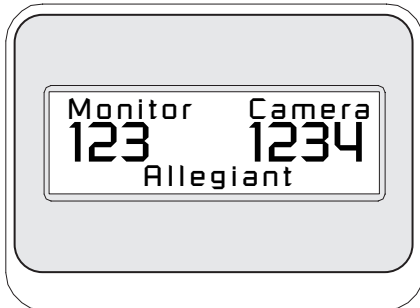


Figure 4-1 Status Display in Allegiant Mode

IMPORTANT NOTE REGARDING USER LOG-ON:

Depending on the setting of the Allegiant Switcher, it may be necessary to perform a log-on procedure to gain control of the switcher (i.e. to gain access to the *Allegiant Main Control* menu).

- If log-on information is required, the status display requests a **USER NUMBER**. Enter the number using the keypad, and press **ENTER**.
- The status display requests a **PASSWORD**. Enter the password using the keypad, and press **ENTER**.
- If an invalid user number or password is entered, the request for log-on is redisplayed.
- Following successful user log-on, the softkey display shows the *Allegiant Main Control* menu as in **Figure 4-2**.
- If user log-on is NOT required, the softkey display shows **USER LOGGED ON** (briefly), and then displays the *Allegiant Main Control* menu.

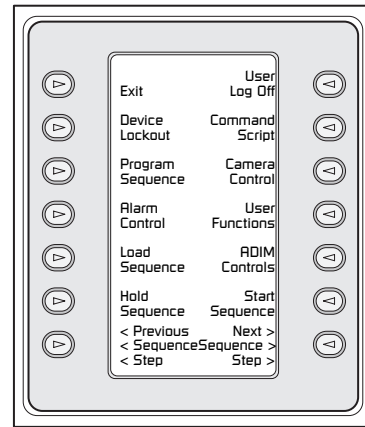


Figure 4-2 Allegiant Main Control Menu

4.2 Programming/Controlling Allegiant Functions

4.2.1 Allegiant Main Control Menu Command Descriptions

The *Allegiant Main Control* menu, displayed on the softkey display, uses the softkey buttons to execute commands or to gain access to other submenus for additional programming/configuration. Detailed command descriptions follow. Refer to the **Allegiant Switcher Instruction Book** for additional information.

① Exit

Exits one menu and reverts to the main menu for the particular function being programmed/controlled.

② Device Lockout

Accesses a softkey menu, allowing the locking/unlocking of specified cameras and monitors.

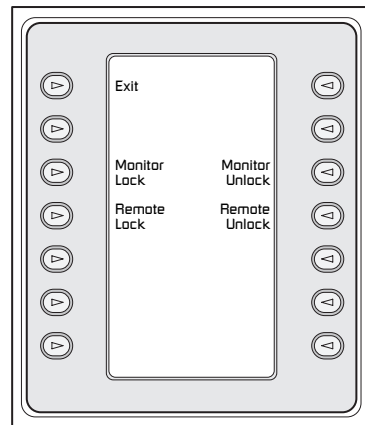


Figure 4-3 Device Lockout Menu

a. Monitor Lock/Unlock:

- If the monitor to be locked/unlocked is not the present monitor, press **MON** on the keypad. Then enter the monitor number, followed by **ENTER**.
- Press the monitor **Lock/Unlock** softkey.
- If the monitor is locked, the display shows an **ML** on the monitor's on-screen status display, indicating that the monitor is locked. If the monitor is unlocked, **ML** is removed.

b. Remote Lock/Unlock:

- If the Camera to be locked/unlocked is not the present camera, enter the camera number followed by **ENTER**.
- Press the **Remote Lock/Unlock** softkey.
- If the camera is locked, the display shows an **RL** in the monitor's on-screen status display, indicating that the remote device is locked. If the camera is unlocked, **RL** is removed.

To leave the device lockout menu, press **EXIT**.

③ Alarm Control

Alarm commands control the system's automatic video switching capabilities in response to alarm signals activated in the Allegiant system. The camera activated by an alarm is normally the same as the alarm number, but this relationship can be changed using the optional LTC 8059/00 Master Control Software for Windows® or the optional LTC 8850/00 Graphical User Interface software package. These optional software packages even permit up to four cameras to be alarmed by a single alarm input.

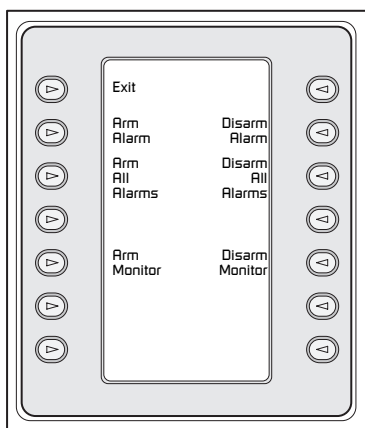


Figure 4-4 Alarm Control Menu

a. Arm/Disarm Alarm:

To arm/disarm an individual alarm on the monitor currently controlled by the keyboard:

- Press the **Arm/Disarm Alarm** softkey. The status display changes to the following:

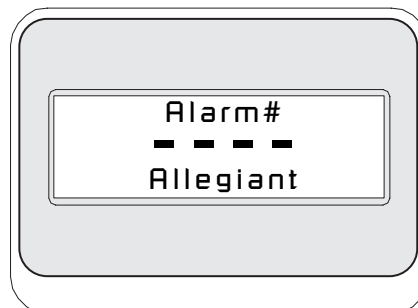


Figure 4-5

- Enter the alarm number to be armed/disarmed, using the numeric keypad.
- Press **ENTER**.

b. Arm/Disarm All Alarms:

To arm/disarm all alarms on the currently controlled monitor, simply press the **Arm/Disarm All Alarms** softkey.

c. Arm Monitor:

Press the **Arm Monitor** softkey to arm the monitor currently controlled by the keyboard, permitting cameras for armed alarms to automatically display when an alarm occurs.

NOTE: Alarm video appears on a given monitor only if the monitor is armed and the alarm is armed for that monitor. The on-screen monitor status display shows **MA** (Monitor Armed).

d. Disarm Monitor:

Pressing the **Disarm Monitor** softkey disarms the monitor currently controlled by the keyboard, thus prohibiting the monitor from responding to alarms.

④ Program Sequence

Changes the softkey display and requests entry of a sequence number to program. The status display shows the following:

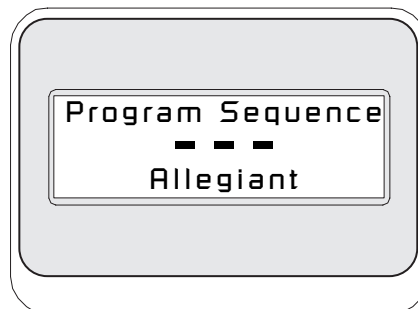


Figure 4-6

Upon entry of a sequence number followed by **ENTER**, the softkey display changes to the following menu to support sequence programming:

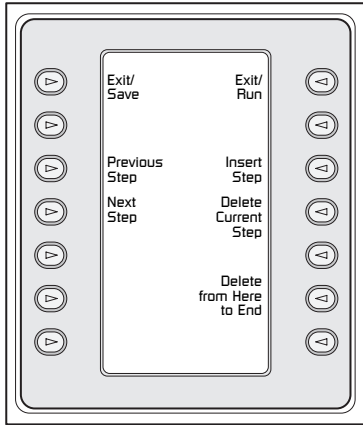


Figure 4-7 Program Sequence Menu

Sequence programming is displayed on the controlled monitor screen.

- a. **Exit/Save**
Saves the present sequence and exits the *Program Sequence* menu.
- b. **Previous Step**
Displays the previous sequence step on the OSD (on-screen display) and allows editing.
- c. **Next Step**
Displays the next sequence step on the OSD and allows editing.
- d. **Exit/Run**
Saves the present sequence, loads it, runs it, and exits the *Program Sequence* menu.
- e. **Insert Step**
Inserts a step before the sequence step presently displayed on the OSD.
- f. **Delete Current Step**
Deletes the current step. Note that if this is done on the first step of a single-step sequence, the sequence is erased, and the programming mode is automatically exited.
- g. **Delete from Here to End**
Deletes all remaining steps after the step presently displayed on the OSD.

⑤ Load Sequence

Enables the loading of a previously programmed sequence.

- Press the **Load Sequence** softkey. The status display shows the following:

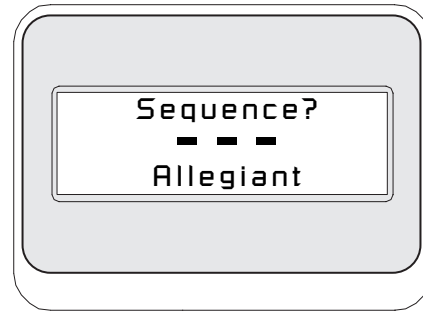


Figure 4-8

- Enter the sequence number, then press **ENTER**.
- To unload a sequence, stop the sequence (if necessary), press the **Load Sequence** softkey, then press **ENTER**.
- Use **CLR** to clear an incorrectly entered number.

⑥ Hold Sequence

Stops a running sequence.

⑦ Previous Sequence Step

Sets the sequence direction to run in reverse. If the sequence is already running in reverse, pressing this button executes the previous sequence step immediately. Holding the key causes the sequence to run in fast reverse mode, at approximately two steps per second.

⑧ User Log-off

Used to **LOG OFF** the Allegiant Switcher.

- Press the **User Log OFF** softkey.
- The softkey display shows the following:

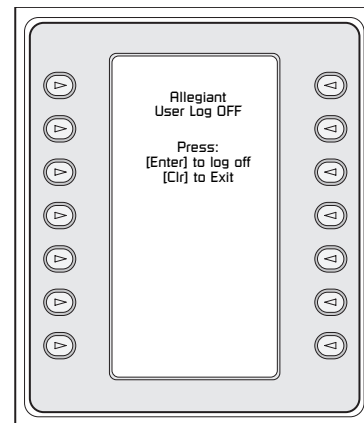


Figure 4-9

- Press **CLR** to clear the pending log-off. Press **ENTER** to complete the log-off process. The softkey display reverts to displaying only **USER LOG ON**, and the status display changes back to the default mode (i.e. camera and monitor numbers replaced with dashes). This mode times out in approximately two seconds and reverts to the previous menu.

⑨ Command Script

Accesses a series of menus, allowing execution of Allegiant script commands. Refer to the **Allegiant Instruction Manual** for additional information.

a. Run Command Script:

This function allows the user to execute ***STAR** commands from the keyboard. The Allegiant supports over 150,000 commands. Press the **Run Script** softkey to display the following softkey menu:

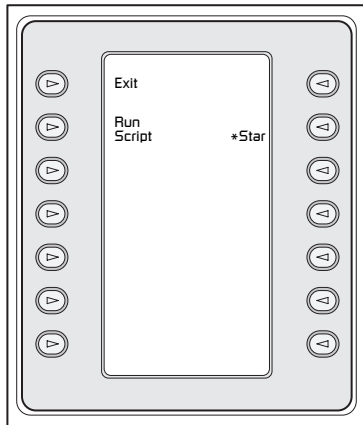


Figure 4-10a

b. Executing Command Scripts:

Run a Command Script in one of two ways. Either press the **Run Script** softkey (and enter the script number on the keypad) OR press the ***** key for the **STAR** only command (i.e. Allegiant command script, **0000**).

NOTE: The **Command Script** menu can be customized with specific scripts and submenus using the optional IntuiKey PC software package. Refer to the documentation included with the software for more specific instructions.

⑩ Camera Control

Displays the camera control softkey menu, allowing the entry of various camera control commands. Refer to **Appendix B** at the back of this manual for details on the camera commands. Access to certain AutoDome menus and commands may be prohibited by security features within the camera. Refer to **Appendix D** for more information.

⑪ User Functions

Accesses a series of 5 menus (**User Function Menu A** through **User Function Menu E**, see **Figure 4-11**), allowing single-key selection of all available Allegiant user functions. Each of the 5 menus contain the following common softkeys:

a. Exit (upper left):

Completes any pending user function and exits to the **Allegiant Main Control** menu.

b. Previous Menu (lower left):

Displays the previous menu in this series of 5. If the current display is the first menu, **Previous Menu** displays the last menu.

c. Enter User Command (upper right):

This function alleviates scrolling through menus. When pressed, this key prompts for the 2 digit **Allegiant User Command** number. Familiarity with Allegiant User Commands and the 2 digit command number is required. Refer to **Figure 4-12** for a cross-reference of all Allegiant User Commands and their respective 2 digit function numbers. These function numbers can also be found in your **Allegiant User Manual** or on the **Allegiant Quick Reference** card.

d. Next Menu (lower right):

Displays the next menu in this series of 5. If the current display is the last menu, **Next Menu** displays the first menu.

Figure 4-12 on the following page shows the menu location and the associated 2 digit cross reference. For details on the functionality of these user functions, refer to the **Allegiant Matrix Switcher User Manual**.

⑫ ADIM Controls

Visible only when keyboard is being used with the ADIM integrated Allegiant/Hi-Q™ digital recording system).

This softkey accesses the ADIM DVR control softkey menu:

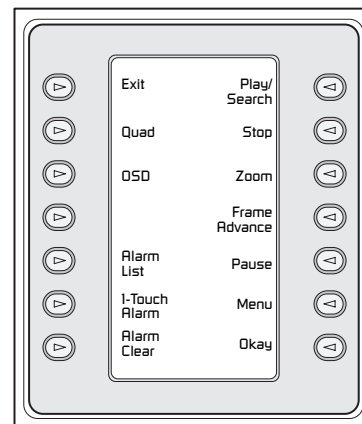


Figure 4-10b

Refer to instructions provided with the ADIM system for details on these functions.

⑬ Start Sequence

Starts a sequence.

⑭ Next Sequence Step

Sets the sequence direction to run forward. If a sequence is already running forward, pressing this button executes the next sequence step immediately. Holding the key causes the sequence to run in fast forward mode at approximately two steps per second.

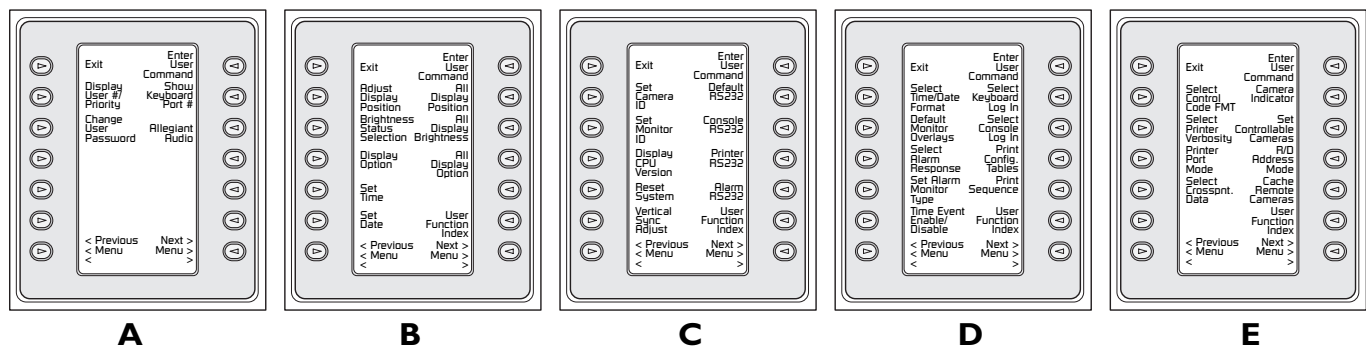


Figure 4-11 Allegiant User Functions Menu

Menu Softkey	Function Description	Allegiant User Function #	Access Level
A2	Display User #/Priority	33	Any
A3	Change User Password	10	Any *
A9	Show Keyboard Port #	2	Any
A10	Keyboard Audio	3	Any
B2	Adjust Display Position	4	1-7
B3	Brightness/Status Selection	5	1-7
B4	Display Options	6	1-7
B5	Set Time	7	1-7
B6	Set Date	8	1-7
B9	All Display Position	24	1-7
B10	All Display Brightness/Status	25	1-7
B11	All Display Option	26	1-7
B13	User Function Index	99	Any
C2	Set Camera ID Title	9	1
C3	Set Monitor ID Title	17	1
C4	Display CPU Version	23	Any
C5	Reset System	15	1 *
C6	Vertical Sync Adjust	40	1 *
C9	Default RS-232	29	1 *
C10	Console RS-232 (Select Controller RS-232 - 8900)	30	1 *
C11	Printer RS-232 (Select Console RS-232 - 8900)	31	1 *
C12	Alarm RS-232	32	1 *
C13	User Function Index	99	Any
D2	Select Time/Date Format	11	1
D3	Default Monitor Overlays	12	1
D4	Select Alarm Response	19	1 *
D5	Set Alarm Monitor Type	21	1 *
D6	Time Event Enable/Disable	16	1
D9	Select Keyboard Login	27	1 *
D10	Select Console Login	28	1 *
D11	Print Configuration Tables	13	1
D12	Print Sequence Tables	18	1
D13	User Function Index	99	Any
E2	Select Control Code Format	22	1 *
E3	Select Printer Verbosity	20	1 *
E4	Printer Port Mode	38	1
E5	Select Crosspoint Data	36	1
E9	Camera Indicator	34	1
E10	Set Controllable Cameras	35	1
E11	R/D Address Mode	37	1 *
E12	Cache Remote Cameras	40	1 *
E13	User Function Index	99	Any

Figure 4-12 Softkey to User Function Cross-reference

4.3 Allegiant Error Messages

Error	Name	Description
Error 01	Invalid Camera Request	The camera number entered from the keyboard does not exist. If using the optional LTC 8059/00 Master Control Software or the LTC 8850/00 Graphical User Interface Software , ensure that the number exists in the Camera Identification table. Download the table to be sure.
Error 02	Invalid Monitor Request	The monitor number entered from the keyboard does not exist.
Error 03	Remote Device Locked by User#	The remote device requested cannot be controlled, because it is locked by a user with equal or higher priority. Check with the other users or request that a higher priority user unlock the remote device.
Error 04	Monitor Locked by User#	The monitor requested cannot be accessed, because it is locked by a user with equal or higher priority. Check with the other users or request that a higher priority user unlock the monitor.
Error 05	Remote Device Access Restricted	Remote locked out by Remote Lock Out table.
Error 06	Monitor Access Restricted	Monitor locked out by Monitor Lock Out table.
Error 10	Access Denied	A function was requested for which the user priority is too low. Only a Priority 2 user or a supervisor with Priority 1 may access this function.
Error 11	Access Denied	A function was requested for which the user priority is too low. Only a supervisor with Priority 1 may access this function.
Error 15	Invalid User Function	The function number requested from the keyboard is invalid. Refer to the User Function table for a listing of valid user function numbers.
Error 20	Acknowledge Denied	The ACKNOWLEDGE button was pressed by a user without the authority to acknowledge alarms.
Error 21	Incorrect Acknowledge	In order to properly acknowledge an alarm event, the keyboard must be switched to a monitor that is displaying the alarms.
Error 22	Acknowledge Disabled	Alarms on this monitor cannot be acknowledged, because that capability has been disabled by the system programmer.
Error 23	Camera Not in alarm	The camera displayed on the monitor is not an alarm video; only alarm-generated video can be acknowledged.
Error 24	Keyboard Not Enabled for Acknowledge	This keyboard may not acknowledge alarm video on this monitor; it has been disabled by the system programmer.
Error 25	Alarm Switcher Running	Alarm video may only be acknowledged if the alarm switcher is not running; press HOLD to stop the switcher.
Error 50	SEQUENCE Not Available	The user attempted to load a switcher sequence that does not exist. This is a good way to determine, from the keyboard, which sequence numbers are unused when desiring to add one. A request was made to load an ABSOLUTE type sequence, without the keyboard being on one of the monitors in that sequence. Because inadvertent loading of monitors should be avoided, the user is required to switch his keyboard to one of the monitors used by the sequence. The PROGRAM mode may be used to review which monitors are used in the sequence.
Error 52	SEQUENCE Request	A request was made to load a RELATIVE type sequence on a monitor number that is too high; the monitors used by the sequence would extend past the highest monitor. Try switching to a lower monitor number before loading the sequence.

Error	Name	Description
Error 53	Switcher Empty	The user has attempted to control a sequence using the NEXT , PREV , RUN , or HOLD keys, without there being a sequence loaded.
Error 55	SEQUENCE Priority	The switcher sequence being requested or cleared requires monitors that are in use by a user of equal or higher priority. Contact a user with higher priority or have the system administrator clear the monitors in question.
Error 56	SEQUENCE Request	The user has attempted to load a sequence that is being edited in the PROGRAM mode. Once editing is complete, the sequence may be loaded.
Error 58	SEQUENCE Request	The sequence being requested is a relative sequence, and the user is only permitted access to absolute sequences.
Error 60	PROGRAM Request	The user has attempted to program a sequence that is currently running. The sequence must first be stopped before any editing can be performed.
Error 62	PROGRAM Request	The user has attempted to program a new sequence when the sequence memory space has been depleted. Delete unused sequences, then program the new sequence.
Error 63	PROGRAM Request	Another user is already programming a sequence on this monitor.
Error 70	Monitor Not Allocated to Group	This monitor cannot be used for alarm operations; it has not been designated as alarm-capable by the system programmer.
Error 71	Step Monitor Required	A group of alarm monitors may not have an armed Review (display) monitor without having armed Step (sequence) monitors.
Error 78	Must Enter Alarm Number	A specific alarm number must be entered when arming or disarming an alarm.
Error 80	Trunk Not Available	An attempt was made to access a remote camera connected to a satellite system, but no unused trunk lines are currently available.
Error 81	Satellite Trunk Seized	The camera currently viewed has changed because an operator with a higher priority has selected a different camera that seized the trunk line from the satellite.
Error 89	Internal Stack Error	A stack overflow within the system has occurred. Report this to the manufacturer.
Error 90	Keyboard Entry Undefined	The keyboard entry is not defined. Check the appropriate section of the instruction manual for the desired operation and try again.
Error 92	Keyboard Entry Out of Range	The data entered for a valid command was not in the permissible range. Check the appropriate section of the instruction manual for acceptable ranges for the command in question and try again.
Error 94	Keyboard Entry Invalid	An invalid character was received from the keyboard. Usually this indicates a communications error. Verify that the keyboard-to-system cable is not producing an intermittent connection.
Error 95	Keyboard Entry Incomplete	The control sequence sent from the keyboard was incomplete. Usually this indicates a communications error. Verify that the keyboard-to-system cable is not producing an intermittent connection.
Error 96	* (STAR) Undefined	The * key has been pressed, but there is no definition for this button.
Error 100	DVR in Use	The DVR is not available because it is currently in use by another operator.

4.4 ADIM Error Messages

Error	Name	Description
Error 101	Camera Not Found	The camera currently selected is not configured for use on the ADIM system.
Error 102	ADIM Communication Error	The IntuiKey keyboard is unable to communicate with the ADIM system software. Verify that the ADIM software is configured correctly and that cable connections are intact.
Error 103	ADIM General Error	The IntuiKey keyboard has received an error notification from the ADIM system software. Please review the log files on the ADIM PC to determine the exact nature of the problem.
Error 104	ADIM Mode Conflict Error	The IntuiKey keyboard has received conflicting status information from the ADIM system. Power the keyboard off/on to correct.
Error 128	No Communications	The keyboard cannot communicate with the Allegiant.

5 CONTROLLING Divar SERIES DIGITAL VIDEO RECORDERS

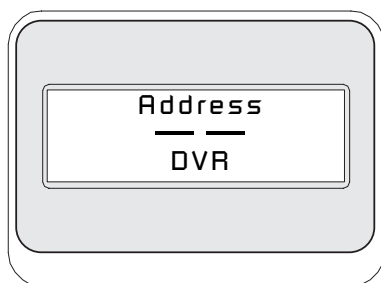
NOTE: This section applies to KBD-Universal and KBD-Digital Models.

5.1 The Divar Main Control Menu

5.1.1 Accessing the Divar Main Control Menu

1. Press **PROD** to put the keyboard in the *Product Selection Mode*. The softkey display shows the *Product Selection* Menu. Depending on the number of DVRs that are connected to the IntuiKey, the list may show a single device name or up to 32 device names spanning 3 menu screens.
2. Press the softkey button adjacent to the desired DVR device name in the display. The softkey display menu will change to the top level menu associated with the device.

NOTE: If you are already in a product sub-menu, and multiple products are connected to the IntuiKey, the keyboard provides a means for easy switching between the devices. Press and hold the **PROD** key for longer than 1 second to enter the device address selection mode. The status display will change to display the following:



Enter the address of the desired device to make the keyboard immediately switch to that device's main menu.

3. The status display shows the DVR mode display.

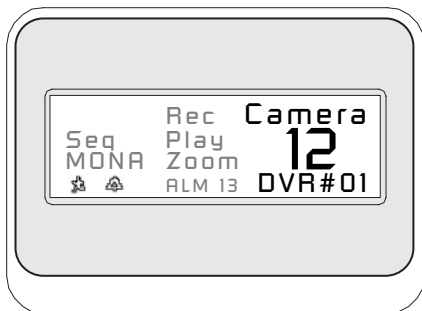


Figure 5-1 Status Display in **Divar** Mode

The DVR mode is shown on the keyboard status display and provides the following indicators:

- **SEQ** – Indicates that the DVR is running a sequence.
- **MONA/B** – Indicates which DVR monitor is currently under control. It toggles between MONA and MONB for each press of the **MON** key.

NOTE: Keyboard access to MONB must be enabled within the **Divar** menus. See **Divar** manual for details.

- – Indicates that the DVR is in an ACTION alarm mode.
- – Indicates that the DVR is in a contact activated alarm mode.
- **REC** – Indicates that the DVR is currently recording.
- **PLAY** – Indicates that the DVR is in a replay mode.
- **ZOOM** – Indicates that the DVR is displaying a zoomed image.
- **ALM xx** – Indicates that a device connected to the IntuiKey with address number **xx** is currently in alarm. The IntuiKey's alarm button will light and the keyboard will begin to beep.

NOTE: While in *DVR Control Code*, the product title continuously displays the programmed device name. The numeric entry field is used to enter numeric values needed to control the DVR (i.e. camera number, DVR number, shot number, etc.). Above the numeric entry field is a title displaying the DVR's current mode (i.e. cameo, camera entry, menu mode, or numeric entry).

4. The softkey display shows the *DVR Main Control* menu.

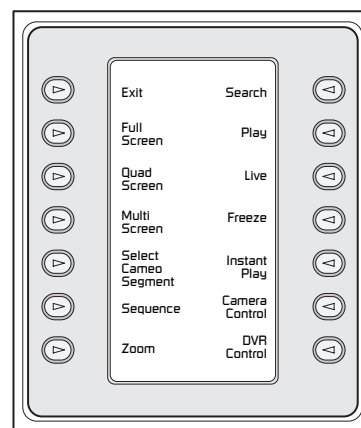


Figure 5-2 **Divar** DVR Main Control Menu

5.2 Programming/Controlling DVR Functions

5.2.1 The DVR Main Control Menu

The *DVR Main Control* menu uses softkey buttons to execute commands or to gain access to other submenus for additional programming/configuration.

Detailed command descriptions follow. Refer to the **Divar** Instruction Book for additional information.

1. **Exit**
Exits one menu and returns to the main menu for the particular function being programmed.
2. **Full**
Select *Full Screen Camera Mode* by pressing the **Full Screen** softkey. The camera currently selected by the keyboard will be displayed in full screen on the monitor.

3. Quad Screen

Divides the screen into four separate areas. Enable *Quad Screen Mode* by pressing the **Quad Screen** key once. Pressing the key additional times cycles through available viewing configurations.

4. Multi Screen

Enables multiscreen displays. The capabilities and user setup of the DVR model under control determine the available configurations.

NOTE: Pressing the **Multiscreen** softkey multiple times cycles through the possible selections.

5. Select Cameo Segment

When in *Multi* or *Quad Mode*, the screen area where a camera is displayed is called a *cameo*. Press the **Cameo** softkey to enter the cameo selection mode. In this mode, the joystick is used to select which *cameo window* will be under control of the keyboard. Entering a number into the keyboard while in this mode will cause the camera to appear in the currently selected cameo window. Cameras may be assigned to any selected cameo, and may be changed as often as required. The Intuikey's numeric entry field title will change to *Cameo* while the DVR is in this mode. Press the *Cameo* softkey again to exit the mode.

6. Sequence

Runs a previously programmed camera sequence.

7. Zoom

Press the **Zoom** softkey to enlarge the active camera display. The keyboard will change to the following submenu for control of the zoom functions:

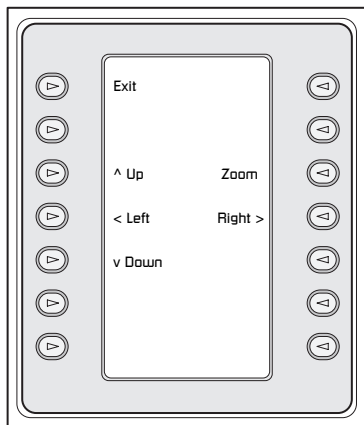


Figure 5-3 Zoom Menu

NOTE: Different levels of the zoom function (e.g. X2, X4, normal) are available by repeatedly pressing the **Zoom** softkey.

If **Zoom** softkey is pressed while in multi-screen mode, the currently selected camera will be changed to full screen view.

8. Search

Places the DVR into the on-screen search mode and

accesses a **DVR** softscreen menu allowing selection of various search criteria. Refer to **Section 5.2.2** for details on menu functions and controls.

9. Play

Activates DVR playback mode and displays the **PLAY** indicator in the IntuiKey status display. Press the softkey again to cancel the playback mode.

10. Live

Pressing the Live softkey will place the DVR into the live viewing mode.

11. Freeze

Freezes the currently selected camera image. Press **FREEZE** again to release the freeze mode. Changing the display screen mode releases the freeze mode.

12. Instant Play

Activates DVR playback of the last minute recording for the selected camera.

13. Camera Control

Displays the *Camera Control* softkey menu, allowing entry of various camera control commands. Refer to **Appendix B** at the back of this manual for details of the Camera Commands.

14. DVR Control

Accesses the *DVR Control* menu allowing selection of DVR devices and controls for navigation of device on-screen menus. Refer to **Section 5.2.3** for details on menu functions.

5.2.2 DVR On-Screen Menu Controls

This softkey menu provides various controls for navigating DVR on-screen menus. Detailed command descriptions follow.

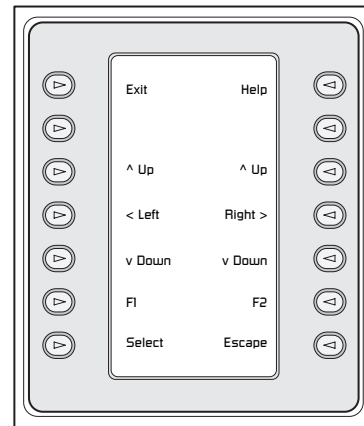


Figure 5-4 Divar DVR Menu Control

1. Exit

Exits the present menu, reverting to the previous menu.

2. ^ Up

Moves UP through the on-screen menu items or values.

3. < Left

Moves LEFT through the on-screen menu items or values.

4. **v Down**
Moves DOWN through the on-screen menu items or values.
5. **F1**
Restores defaults in the active on-screen menu.
6. **Select**
Selects an on-screen menu or submenu item and saves selections made in menus.
7. **Help**
Accesses the DVR's on-screen HELP menu.
8. **^ Up**
Moves UP through the on-screen menu items or values.
9. **Right >**
Moves RIGHT through the on-screen menu items or values.
10. **v Down**
Moves DOWN through the on-screen menu items or values.
11. **F2**
Used to select a specific function associated with an on-screen menu option.
12. **Escape**
Press this button to return to the previous level, exit the **Help** screen, or to exit the on-screen menu completely without saving.

5.2.3 DVR Control Menu

This softkey menu provides controls for selecting devices and protecting recordings. It also provides access to the on-screen Help menu and the softscreen menu for accessing and navigating the DVR's on-screen configuration menu.

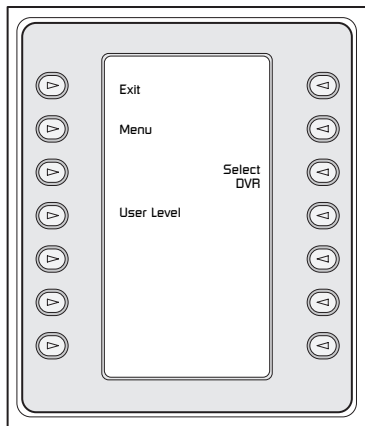


Figure 5-5 Divar DVR Control

1. **Exit**
Exits the present menu, reverting to the previous menu.
2. **Menu**
Accesses the *DVR Menu Control* screen for selection and navigating within the DVR's main configuration menu. Refer to *Section 5.2.2* for details on menu functions and controls.

NOTE: Access to this menu is available only when the User Level is set to FULL ACCESS. If the current access level must be changed, refer to the User Level softkey explained below.

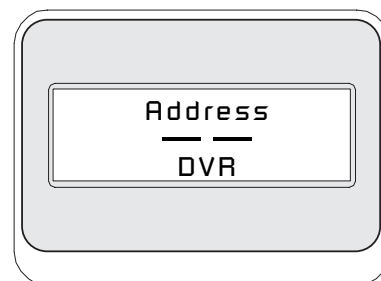
3. User Level

This softkey is used to change the current User Level. (The current setting is displayed on the softkey.) User Levels can be used to limit access to certain DVR features, including access to the on-screen configuration menu.

To change the current User Level, press the softkey to enter the password entry mode. Enter the keyboard password (refer to **Appendix D**) within 2 seconds. Select the desired User Level as listed on the softkey menu.

NOTE: The selected User Level applies to all DVR devices connected to the IntuiKey.

4. **Help**
Accesses the DVR's on-screen **HELP** menu.
5. **Protect**
It is possible to mark a video recording so it cannot be overwritten.
 - a. During playback, press the **Protect** key to mark the beginning of a protected recording. Playback will pause and a dialog window will appear, showing the time and date of this selection.
 - b. Press the **Select** key to continue playing the video that you wish to protect. The **Escape** key cancels and exits this mode.
 - c. To mark the end of the protected recording, press the **Product** key a second time. The playback will pause and a dialog window will appear showing the time and date of both the start and end times of the protected recording.
 - d. Press the **Select** key to protect the marked video from deletion. Press **Escape** to cancel.



6. **Select DVR**
Press this button to select another device to control. The status display will change to display the following: Enter the address of the desired device to make the keyboard immediately switch to that device's main menu. This softkey provides the same function as pressing and holding the **PROD** key for longer than 1 second.

5.3 DVR Error Messages

Error	Name	Description
Error 1	No Communication	The keyboard cannot communicate with the DVR.
Error 2	Invalid Keyboard Entry	An invalid number has been entered on the keyboard.
Error 3	Invalid DVR Number	A DVR number less than 1 or greater than 30 was entered.
Error 4	DVR Not Found	No DVRs were found during search.

6 CONTROLLING System4® VIDEO MULTIPLEXERS

NOTE: This section applies to KBD-Universal and KBD-Mux Models.

6.1 The Mux Main Control Menu

6.1.1 Accessing the Mux Main Control Menu

1. Press **PROD** to put the keyboard in the *Product Selection Mode*. The softkey display shows the *Product Selection* menu. Depending on the number of devices that are connected to the IntuiKey, the list may show up to 32 total devices spanning 3 menu screens.
2. Press the softkey button adjacent to the desired multiplexer in the display. The softkey display menu will change to the top level menu associated with the device.

NOTE: If you are already in a product sub-menu, and multiple products are connected to the IntuiKey, the keyboard provides a means for *easy switching* between the devices. Press and hold the **PROD** key for longer than 1 second to enter the device address selection mode. Enter the address of the desired device to make the keyboard immediately switch to that device's main menu.

3. The status display shows the Mux mode display.

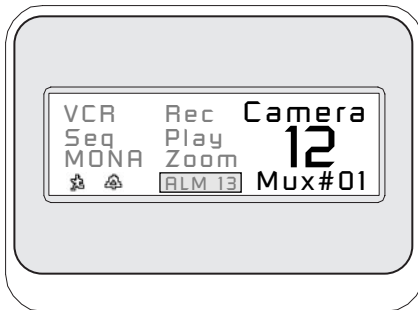


Figure 6-1 Status Display in System4® Mode

The Mux mode display shown on the keyboard status display provides the following indicators:

- **VCR** – Indicates that the multiplexer is in a VCR test mode (routing the VCR video being recorded to the monitor).
- **SEQ** – Indicates that the multiplexer is running a sequence.
- **MONA/B** – Indicates which multiplexer monitor is currently under control. It toggles between MONA and MONB for each press of the **MON** key.
- – Indicates that the multiplexer is in an action alarm mode.
- – Indicates that the multiplexer is in a contact activated alarm mode.
- **REC** – Indicates that the VCR is currently recording.
- **PLAY** – Indicates that the multiplexer is displaying a videotape replay.

- **ZOOM** – Indicates that the multiplexer is displaying a zoomed image.
- **ALM xx** – Indicates that a device connected to the IntuiKey, with address number **xx** is currently in alarm. The IntuiKey's **ALARM** button will light and the keyboard will begin to beep.

NOTE: While in multiplexer control mode, the product title continuously displays **MUX #—** (where the dash represents the multiplexer number). The numeric entry cell is used to enter numeric values needed to control the multiplexer (i.e. camera number, allplex number, shot number, etc.). Above the numeric entry cell is a title displaying the multiplexer's current mode (i.e. cameo, camera entry, or menu mode).

4. The softkey display shows the *Mux Main Control* menu.

6.2 Programming/Controlling Mux Functions

6.2.1 Password Entry

If a password is required by the multiplexer on-screen display, *you must press ENTER after each number entered for the password* (e.g. if the password is 1-2-3-4, you then press **1**, then **ENTER**, **2**, then **ENTER**, etc.).

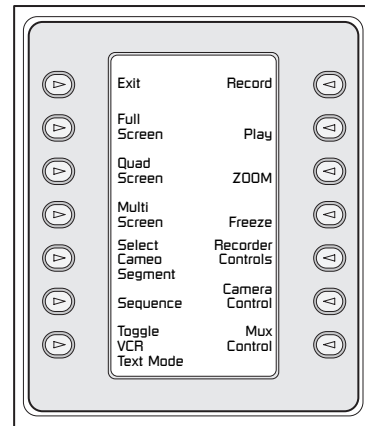


Figure 6-2 System4® Mux Main Control Menu

6.2.2 Mux Main Control Menu Command Descriptions

The *Mux Main Control* menu, displayed on the softkey display, uses the softkey buttons to execute commands or to gain access to other submenus for additional programming/configuration. Detailed command descriptions follow. Refer to the **Multiplexer Instruction Book** for additional information.

① Exit

Exits one menu and returns to the main menu for the particular function being programmed.

② Full Screen

Select *Full Screen Camera Mode* by pressing the **Full Screen** softkey. The camera currently selected by the keyboard will be displayed in full screen on the monitor.

③ Quad Screen

Divides the screen into four separate areas. Enable *Quad Screen Mode* by pressing the **Quad Screen** key once. Pressing the key additional times cycles through different viewing configurations.

④ Multiscreen

Enables multiscreen displays. The capabilities of the multiplexer model under control determine the available configurations.

- 6-channel: 5+1
- 9-channel: 4+3, 3x3
- 16-channel: 4+3, 8+2, 12+1, 3x3, and 4x4

NOTE: Pressing the **Multiscreen** softkey multiple times cycles through the possible selections.

⑤ Select Cameo Segment

When in **Multi** or **Quad Mode**, the screen area where a camera is displayed is called a cameo. Press the **Cameo** softkey to enter the cameo selection mode. In this mode, joystick is used to select which *cameo window* will be under control of the keyboard. Entering a number into the keyboard while in this mode will cause the camera to appear in the currently selected cameo window. Cameras may be assigned to any selected cameo, and may be changed as often as required. The Intuikey's numeric entry field title will change to **Cameo** while the DVR is in this Mode. Press the **Cameo** softkey again to exit the mode.

NOTE: The multiplexer function of **Assigning All Cameras** is provided by an additional softkey on the **Mux Main Control** menu. Press this key to activate this function.

⑥ Sequence

Runs a previously programmed camera sequence.

⑦ Toggle VCR Test Mode

Enables/disables the multiplexer's VCR test mode. When in VCR test mode, the IntuiKey status display shows the VCR icon.

⑧ Record

Activates VCR record mode and displays the **REC** indicator in the IntuiKey status display. Press the softkey again to disable the record mode.

⑨ Play

Activates VCR play mode and displays the **PLAY** indicator in the IntuiKey status display. Press the softkey again to disable the play mode.

⑩ Zoom

Enlarges the active camera display. Selection of any other camera displays that camera in full screen enlarged mode. Press the **Zoom** softkey to show the following submenu for control of the zoom function.

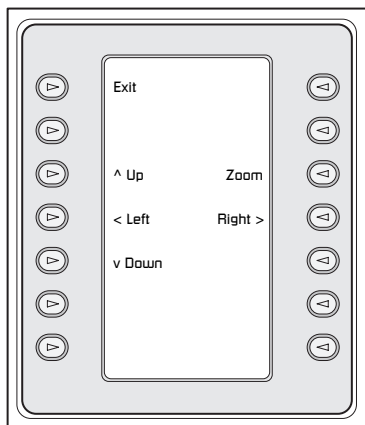


Figure 6-3 Mux Zoom Menu

Different levels of the zoom function (e.g. $\times 2$, $\times 4$) may be available depending on the multiplexer model.

⑪ Freeze

Holds the selected camera picture on either full screen or cameo. The currently selected camera image freezes, and **FREEZE** is displayed on the monitor screen. Press **FREEZE** again to release the freeze mode. Freeze a different camera image by selecting another camera with the camera keys and pressing **FREEZE** again. Changing the display screen mode releases the freeze mode from all cameos.

⑫ Recorder Controls

Accesses the **DVR1/VCR Control** softkey menu, allowing selections for control of either a DVR1 Series digital recorder or a conventional VCR. Additional menus are displayed for control of the selected device.

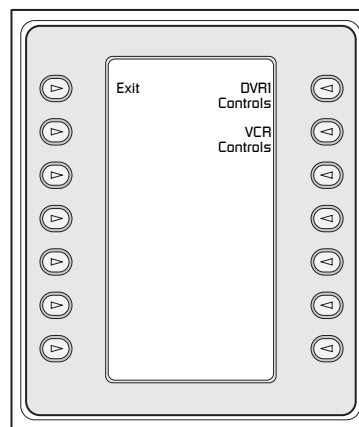


Figure 6-4 Recorder Controls

⑬ Camera Control

Displays the **Camera Control** softkey menu, allowing entry of various camera control commands. Refer to **Appendix B** at the back of this manual for details on the Camera Commands.

⑭ Mux Control

Accesses a menu allowing control of additional multiplexer functions.

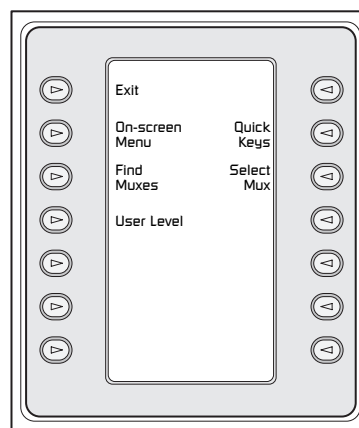


Figure 6-5 Mux Control Submenu

a. Exit

Exits the present menu, reverting to the previous menu.

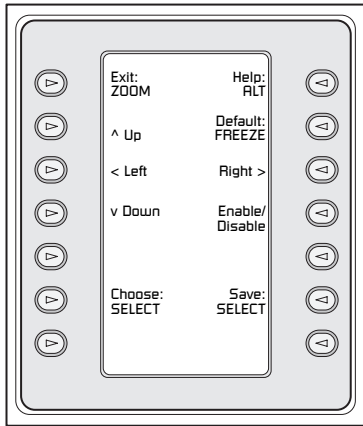


Figure 6-6 On-screen Control Menu

b. On-screen Control Menu

Provides access to the multiplexer's on-screen display (OSD), if the access level has been enabled to **FULL ACCESS** (otherwise, the softkey display indicates that the present user level is not high enough for this level of access). If the current user level does not allow the operation, a warning message is displayed, and control reverts to the **Mux Control** submenu. The warning message clears and reverts to the Mux main control menu in approximately two seconds or after pressing **CLR**.

NOTE: To change the access level, refer to (d) **User Level**.

The on-screen control menu provides softkey access to the following multiplexer functions:

- **Exit: ZOOM**
Exits to one level higher when in menu mode.
- **Choose: SELECT**
Used when the OSD prompts to choose a selection.
- **Save: SELECT**
Used when the OSD prompts to save the current selections.
- **Default: FREEZE**
Changes an entry to its default state.
- **Help**
Displays the MUX's internal help file associated with the present OSD selection.
- **Up ^**
Moves the OSD cursor up one line.
- **Down v**
Moves the OSD cursor down one line.

- **< Left**

Moves the OSD cursor to the left one position.

- **Right >**

Moves the OSD cursor to the right one position.

- **Enable/Disable**

Used in **Set Action Zones** in **Action Setup** menu.

c. Find Muxes

Polls each mux address for a response. If a response is found, an **ON** indicator is displayed next to the mux address. Exit by pressing any key.

d. User Level

This softkey is used to change the current User Level. (The current setting is displayed on the softkey.) User Levels can be used to limit access to certain multiplexer features, including access to the on-screen configuration menu. To change the current User Level, press the softkey to enter the password entry mode. Enter the keyboard password (refer to **Appendix D**) within 2 seconds. Select the desired User Level, as listed on the softkey menu.

NOTE: The selected User Level applies to all multiplexer devices connected to the IntuiKey.

e. Quick Keys

Allows access to the multiplexer's quick key commands. If the current user level does not allow the operation, a warning message is displayed, then clears and reverts to the Mux main control menu (approximately two seconds or after pressing **CLR**). Refer to the **Multiplexer Instruction Book** for additional information on the quick key functions.

f. Select Mux

Pressing this softkey displays a short message on the softkey display indicating that entry of a multiplexer address is required. The IntuiKey status display changes to the display in **Figure 6-7**.

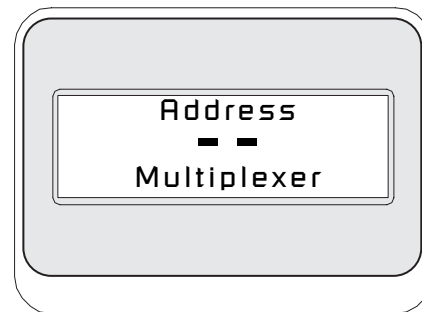


Figure 6-7

Upon entering an Allplex number, press **ENTER**. The keyboard determines whether the selected multiplexer is present. If it is not, an error is displayed, and the keyboard reverts to the last known acceptable Allplex number.

6.3 Mux Error Messages

Error	Name	Description
Error 1	No Communication	The keyboard cannot communicate with the multiplexer.
Error 2	Invalid Keyboard Entry	An invalid number has been entered on the keyboard.
Error 3	Invalid Multiplexer Number	A multiplexer number less than 1 or greater than 30 was entered.
Error 4	Multiplexer Not Found	No multiplexers were found during search.

7 TROUBLESHOOTING

7.1 System

1. No text on displays:
 - Ensure that power is applied to the keyboard through at least one of the following:
 - Mux RJ-11 Cable
 - Allegiant RJ-11 Cable
 - DC Power Supply Jack
 - It is possible that the LCD contrast has been adjusted to a point that makes the displays unreadable. Pressing **MON** and **CLR** simultaneously resets the contrast to a central position for readability. Once the contrast is reset, select **KEYBOARD CONTROL** from the *Product* menu, then the **CONTRAST ADJUST** softkey and set the LCD contrast for optimal viewability.
2. No LCD or keyboard backlight:
 - KBD Backlighting is provided at a low level, which may not be apparent in bright lighting conditions.
3. LCD appears to have *bad* pixels:
 - To verify LCD operation, from the *Product* menu, select **KEYBOARD CONTROL**; then, select **LCD Test** to cycle the LCDs through a number of tests.

7.2 Keyboard

1. When in the *Product* menu, DVR or Multiplexer is missing:
 - Unique address has not been set in the video devices. Use the front panel controls to access the appropriate on-screen menu to assign address and starting camera numbers. The IntuiKey will not properly recognize video devices if there are conflicting addresses in the system.
 - Check all interconnect cables for cut or broken wires between the keyboard and other devices
2. When in the product menu, the **ALLEGiant** product is not shown:
 - Verify that you are using a KBD-Universal. By removing power from the keyboard and reapplying it, a *sign-on* banner is displayed on the keyboard. The top line of both the softkey display and status display states the type of keyboard in use (only KBD-Universal is capable of controlling Allegiant Series Video Switchers).
 - Check all interconnect cables for cut or broken wires between the keyboard and other devices.
 - The KBD only supports .6P keyboard protocol.

3. Limited key and joystick operation:

- To verify the operation of the keyboard, from the *Product* menu, select **KEYBOARD CONTROL**, then press the softkey associated with **KEYBOARD TEST**. This allows the verification of the operation of all keys and the joystick.

7.3 Camera Control

1. Pressing a softkey associated with a camera command does not return the expected response:
 - Some camera functions are lockable. No softkey is associated with camera command unlock; therefore, unlock the camera commands manually.
 - The keyboard lists camera commands. Some commands may not be supported by the presently selected camera — see the manual associated with the camera for specific camera function information.
2. Camera function not found in menus:
 - As of Gen3A Dome Version 2.0, all camera functions are accessible via the AutoDome's Advanced Menu. Select **Camera Controls** and press the **Advanced Menu** softkey.
3. The joystick doesn't appear to work:
 - Ensure that you are controlling a movable camera.
 - Ensure that all cabling is correct.
 - It is possible that the joystick needs to be recentered. From the *Product* menu, select **KEYBOARD CONTROL** and press the **JOYSTICK AUTOCAL** softkey, then follow the on-screen instructions.

7.4 Miscellaneous

1. Upon powering up the keyboard, the bootloader screen appears with the message **Bootloader User Requested**:
 - The keyboard was placed in firmware upgrade mode. If you do not wish to load new firmware, press **CLR**.
2. Upon powering up the keyboard, the bootloader screen appears with the message **Bootloader BAD CHECKSUM**:
 - An error has been detected in the firmware. Reloading the firmware should solve the problem. Refer to the Software Update section of www.PhillipsCSI.com for details on upgrading keyboard firmware. If this does not resolve the problem, contact Customer Support.

APPENDIX A: INTUIKEY MENU REFERENCE

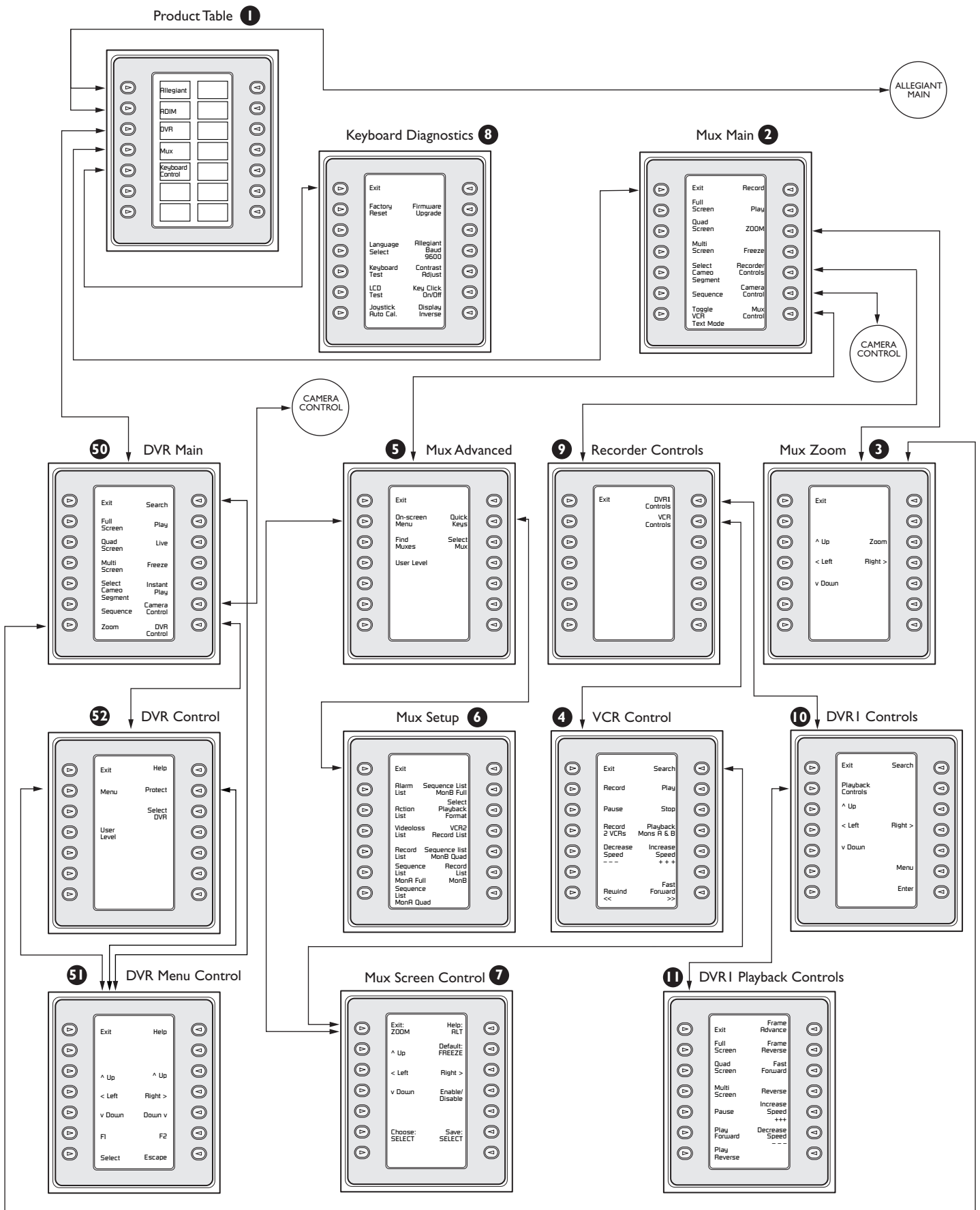


Figure A-I Keyboard Menu Structure

APPENDIX A: INTUIKEY MENU REFERENCE (Continued)

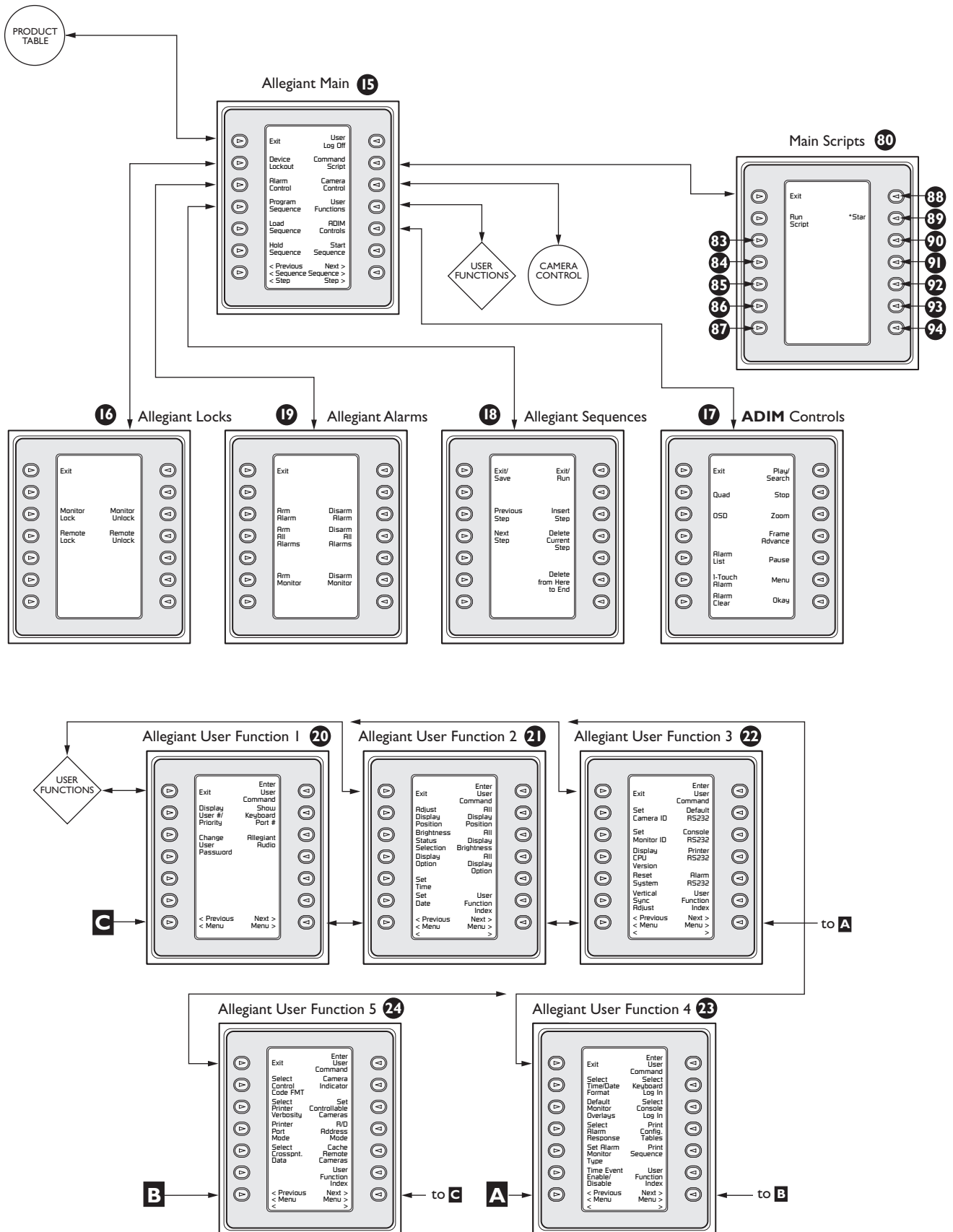


Figure A-2

APPENDIX A: INTUIKEY MENU REFERENCE (Continued)

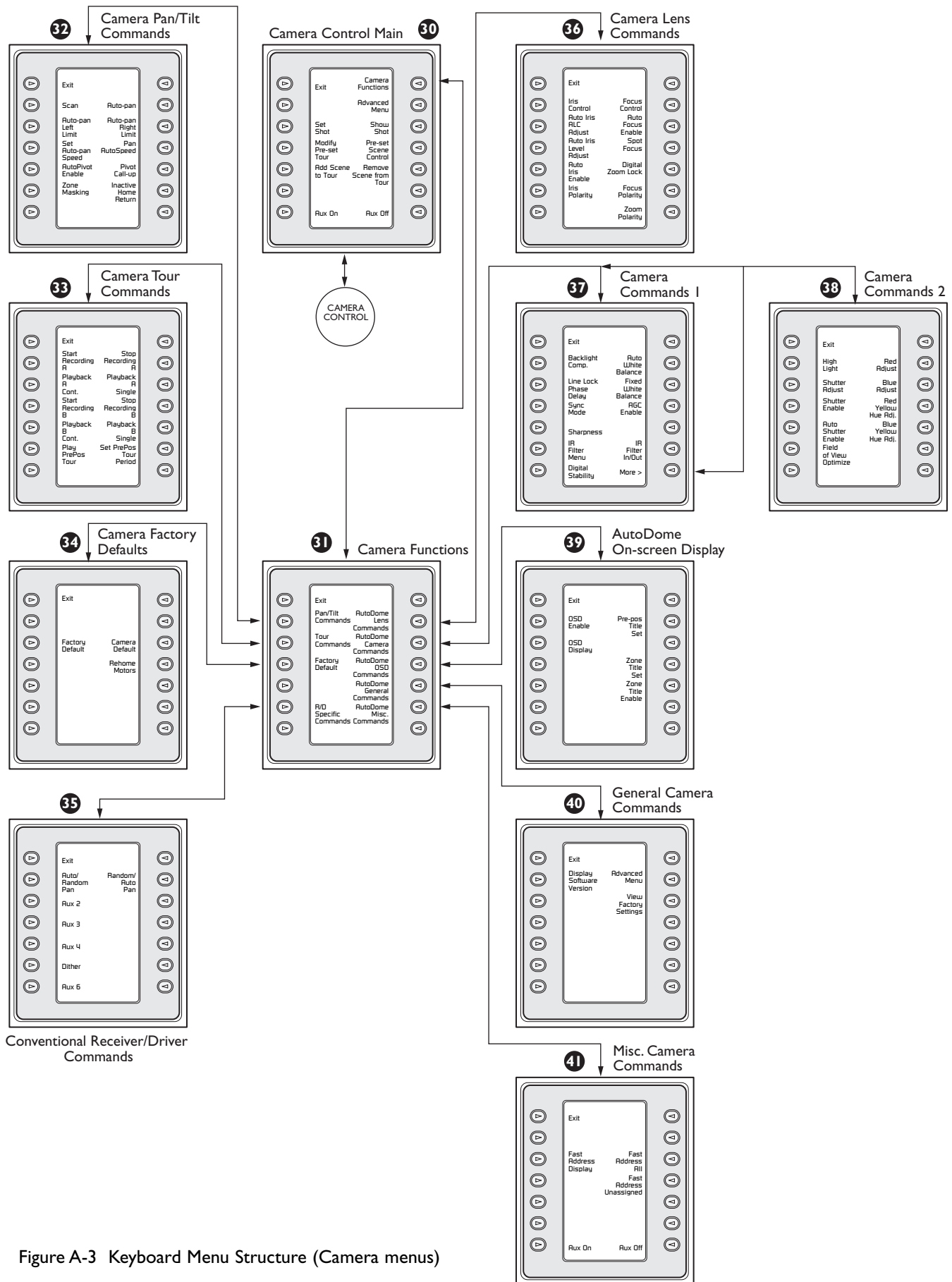


Figure A-3 Keyboard Menu Structure (Camera menus)

APPENDIX B: CAMERA CONTROL COMMAND REFERENCE

The IntuiKey Keyboard provides access to the camera control functions for applicable system devices. Certain features may be restricted by the AutoDome security feature. Refer to **Appendix D** for additional details. The Camera Control Main menu is shown below. The command descriptions follow.

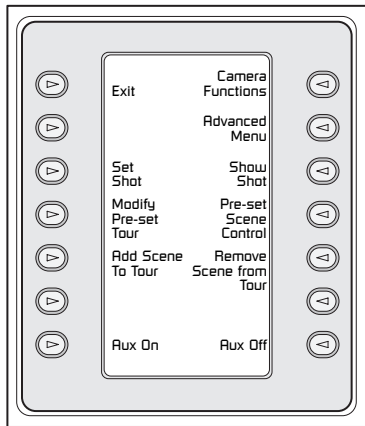


Figure B-1 Camera Control Main Menu

① Exit

Exits the camera menu and returns to the previous control/programming menu.

② Not Used

③ Set Shot

Camera pre-position scenes are programmed by pressing the Set Shot softkey. The status display changes to the following for input:



Figure B-2

Entering a two digit shot number followed by **ENTER**, programs the present camera position as the entered shot number. Four digit numbers are reserved for camera configuration commands.

NOTE: This function is also accomplished by pressing the **SHOT** button twice (located next to the joystick).

④ Modify Preset Tour

This command is specific to G3 AutoDome® cameras. Pressing this softkey displays a camera on-screen display.

⑤ Add Scene to Tour

This softkey adds a shot to the camera's **tour**. Pressing the softkey changes the status display to the following.

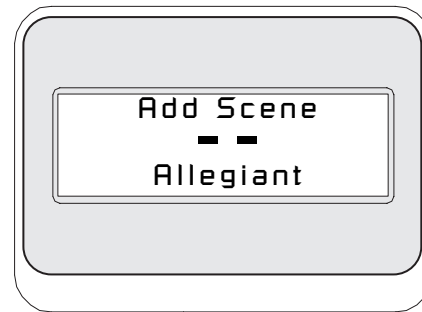


Figure B-3

⑥ Not Used

⑦ Aux On

Press this softkey to enter a number associated with an auxiliary command. The status display changes to an entry box.

NOTE: If **ENTER** is held down, the **Aux** command auto-repeats until the key is released.

⑧ Camera Functions

Displays a submenu with direct links to various **Camera Function** menus (see **Figure A-1**).

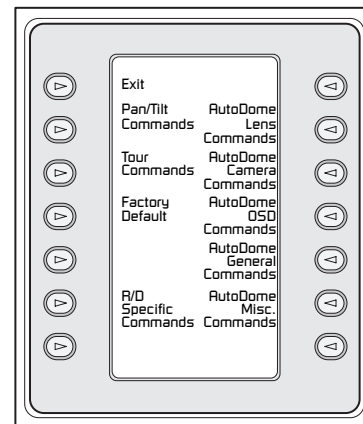


Figure B-4 Main Camera Functions Menu

Pressing any camera function softkey causes a second softkey menu to appear. If the function contains a user-selectable choice, the options are indicated as two buttons. The button text represents the options indicated on the display (e.g. increase/decrease, on/off, etc.). Upon command completion, or after a time-out of approximately ten seconds, the softkey display reverts to the **Camera Functions** menu. See the table below for a list of available camera commands as they apply to the various camera models.

⑨ **Advanced Menu**

Press this softkey to enter the main on-screen programming menu of G3 and Day/Night Series AutoDomes having firmware of 2.0 or higher.

⑩ **Show Shot**

Press **Keypad Shot**, and the status display changes for input as shown in **Figure B-5**.

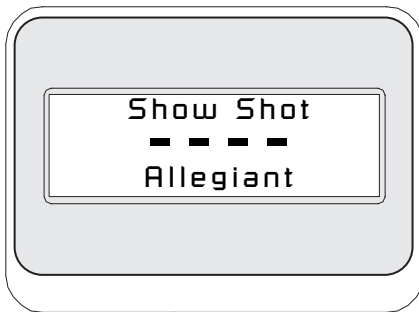


Figure B-5

Entering a two digit shot number followed by **ENTER** selects a previously programmed camera position for the currently controlled camera.

NOTE: This function is also accomplished by pressing the **SHOT** button (located next to the joystick).

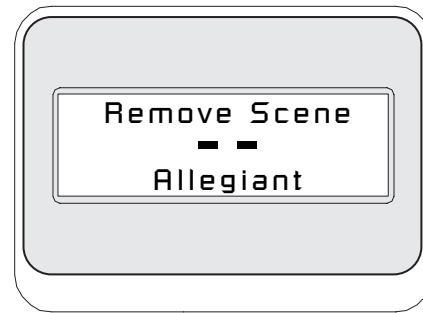


Figure B-6

⑪ **Preset Scene Control:** This command is specific to G3 AutoDome cameras; pressing this key displays a camera on-screen display.

⑫ **Remove Scene from Tour:** Press **Clear Shot**, and the status display changes to the display shown in **Figure B-6**.

⑬ **Not Used**

⑭ **Aux Off:** Press this softkey to enter a number associated with an auxiliary command. The status display changes to an entry box. See the individual device control section for details of the **Camera Functions** menu.

NOTE: If **ENTER** is held down, the **Aux** command auto-repeats until the key is released.

KEYBOARD CAMERA COMMANDS

KEYBOARD CAMERA COMMANDS	CAMERA COMMANDS	CAMERA DESCRIPTIONS	AUX COMMAND NUMBER	
Camera Control				
Set Shot	Pre-position Programming	Store Shot to Camera Memory		
Show Shot	Pre-position Recall	Recall Shot from Camera Memory		
	Global Disable/Enable PP			
Modify Preset Tour				
Preset Scene Control				
	Enable/Disable PP			
Add Scene to Tour	Enable PP			
Remove Scene from Tour	Disable PP			
Pan/Tilt Commands				
Scan	Scan	Auto-pan without Limits	1	
Auto-pan	Auto-pan	Auto-pan between Limits	2	
Auto-pan Left Limit	Auto-pan Left Limit	Auto-pan Left Limit Set and Show		
Auto-pan Right Limit	Auto-pan Right Limit	Auto-pan Right Limit Set and Show		
Set Auto-pan Speed	Set Auto-pan and Scan Speed	Set Auto-pan Speed	14	
Inactive Home Return	Return Home (preset 1)	Return to Home upon Inactivity	9	
Pan AutoSpeed	Pan AutoSpeed	Ramp-up for Fixed Speed Control	16	
AutoPivot Enable	AutoPivot Enable	Enables/Disables AutoPivot	18	
Pivot Call-up	Pivot Call-up	Pan 180 Degrees		
Zone Masking	Zone Masking	Up to 16 Zones May be Blanked Out	86	
Tour Commands				
Playback A, Cont.	Playback A, Continuous	Playback A, Continuous	50	
Playback A, Single	Playback A, Single	Playback A, Single	51	
	Playback A, Resume	Playback A, Resume	52	
	Erase A Record to End	Erase A Record to End		
Playback B, Cont.	Playback B, Continuous	Playback B, Continuous	52	
Playback B, Single	Playback B, Single	Playback B, Single	53	
Start Record A	Record A	Record A	100	
Stop Record A	Record A	Record A	100	
	Resume A, Record	Resume A, Record	101	
Start Record B	Record B	Record B	101	
Stop Record B	Record B	Record B	101	
Play Pre-pos Tour	Play Pre-position Tour	Pre-position Tour	8	
Set Pre-pos Tour Period	Set pre-position Tour Period	Set Pause between Tour Call-ups	15	
Factory Defaults				
Factory Default	Reset Unit to Factory Defaults	All Customer Settings Are Lost		
Camera Default	Resets Camera to Defaults	Camera Factory Default Settings	40	
Rehome Motors	Factory P/T Home Position			
R/D Specific Commands				
Auto/Random Pan	Auto-pan/Random Pan	Dip Selectable Panning Modes	1	
Random/Auto-pan	Random Pan/Auto-pan	Dip Selectable Panning Modes	7	
R/D Specific Commands (...cont.)				
Aux 2	Relay Output 2	Aux Relay Enable	2	
Aux 3	Relay Output 3	Aux Relay Enable	3	
Aux 4	Relay Output 4	Aux Relay Enable	4	
Dither	Dither Function	2-minute Delay Dither Function	5	
Aux 6	Auxiliary Relay (Triac) Control	Auxiliary Relay Function	6	

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COMPATIBLE CAMERAS

	AUX ON/OFF	PRE-POS COMMAND NUMBER	PRE-POS SET/SHOW	TC700	LTC 0709 LTC 0809	G3	DAY/NIGHT	RECEIVER/ DRIVER
		1-99	set	Y	Y	Y	Y	Y
		1-99	show	Y	Y	Y	Y	Y
		900	disable/enable	Y	Y	Y	Y	Y
		900	set	N	N	Y	Y	N
		100	set	N	N	Y	Y	N
		901-999	set/show	Y	Y	Y	Y	Y
		1-99	enable	N	N	Y	Y	N
		1-99	disable	N	N	Y	Y	N
	on/off			Y	Y	Y	Y	N
	on/off			Y	Y	Y	Y	N
		101	set/show	Y	Y	Y	Y	N
		102	set/show	Y	Y	Y	Y	N
	incr/decr			Y	Y	Y	Y	N
	on/off			Y	Y	Y	Y	Y
	on/off			Y	Y	Note ²	Y	N
	on/off			Y	Y	Y	Y	N
		111/180	show	Y	Y	Note ²	N	N
	on/off			N	N	Note ¹	Y	N
	on/off			Y	Y	Y	Y	N
	on/off			Y	Y	Y	Y	N
	on/--			Y	Y	Note ²	N	N
		500	set	Y	Y	N	N	N
	on/off			N	N	Note ¹	Y	N
	on/off			N	N	Note ¹	Y	N
	on			Y	Y	Y	Y	N
	off			Y	Y	Y	Y	N
	on/off			Y	Y	N	N	N
	on			N	N	Note ¹	Y	N
	off			N	N	Note ¹	Y	N
	on			Y	Y	Y	Y	Y
	incr/decr			Y	Y	Y	Y	Y
		899	set	Y	Y	Y	Y	Y
	on			Y	Y	Y	Y	N
		110	recalibrate/show	Y	Y	Y	Y	N
	on/off			N	N	N	N	Y
	on/off			N	N	N	N	Y
	on/off			N	N	N	N	Y
	on/off			N	N	N	N	Y
	on/off			N	N	N	N	Y
	on/off			N	N	N	N	Y
	on/off			N	N	N	N	Y

¹ Feature only applicable to G3 cameras having firmware equal to or greater than 2.00.

² Feature only applicable to G3 cameras having firmware less than 2.00.

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KEYBOARD CAMERA COMMANDS	CAMERA COMMANDS	CAMERA DESCRIPTIONS	AUX COMMAND NUMBER	
AutoDome Lens Commands				
Iris Control	Iris Control	Auto/Manual	3	
Auto-iris ALC Adjust	Auto-iris ALC Adj.	Peak/Ave	10	
Auto-iris Level Adjust	Auto-iris Level Adj.	Auto-iris Level Adj	11	
Auto-iris Enable	Auto-iris Activation	Activates AI upon Movement	13	
Focus Control	Focus Control	Auto/Manual	4	
Auto-focus Enable	Auto-focus Activation	Activates AF upon Movement	12	
Spot Focus	Spot Focus	Activates Spot Auto-focus	17	
	Zoom Range Limit	Limits Zoom Range for Tele	19	
Digital Zoom Lock	Digital Zoom Lock	Turns DZ On & Off	80	
Zoom Polarity	Zoom Polarity	Change Zoom Polarity	91	
Focus Polarity	Focus Polarity	Change Focus Polarity	92	
Iris Polarity	Iris Polarity	Change Iris Polarity	93	
AutoDome Camera Commands				
Backlight Comp.	BL COMP	Backlight Compensation	20	
High Light	HIGH LIGHT	High Light	21	
Shutter Adjust	SHUTTER ADJ	Shutter Adj	22	
Shutter Enable	SHUTTER	Shutter	23	
Auto Shutter Enable	Auto-shutter	Auto-shutter Activation	24	
IR Filter Menu	IR Filter Menu	In/Out/Auto	56	
IR Filter In/Out	IR Filter In/Out	In/Out	57	
Auto White Balance	WHITE BALANCE	White Balance	30	
Red Adjust	RED	Red Adj	31	
Blue Adjust	BLUE	Blue Adj	32	
Red Yellow Hue Adj.	R Y HUE	R-Y Hue Adj	33	
Blue Yellow Hue Adj.	B Y HUE	B-Y Hue Adj	34	
Fixed White Balance	FIXED WB	Fixed White Balance	35	
Line Lock Phase Delay	LL PHASE	Adj LL Phase Delay	41	
Sync Mode	SYNC	Sync Mode	42	
AGC Enable	AGC	AGC	43	
Sharpness	VERT APT ADJ	Vertical Aperture Adj	44	
Field of View Optimize	FOV OPT C	Field of View Optimize	45	
Day/Night Level	Night Mode Threshold	Threshold Level Adj	58	
AutoDome OSD Commands				
OSD Enable	OSD ENABLE	On-screen Display Enable	60	
OSD Display	OSD DISPLAY	OSD Adj	61	
Pre-pos Title Set	PP TITLE MENU	Pre-position Title Set	62	
Zone Title Menu	ZONE TITLE MENU	Zone Title Set	63	
Zone Tile Enable	ZONE TITLE C	Zone Title On/Off	64	
AutoDome General Commands				
Display Software Version	Display Software Version	Display Software #	66	
Advanced Menu	Advanced Menu	Advanced Menu	46	
View Factory Settings	View Factory Settings	View Factory Settings	47	
AutoDome Misc Commands				
	Command Lock On	Command Lock On		
	Command Unlock	Command Unlock		
	Command Lock/Unlock	Command Lock/Unlock	90	
	Command Lock/Unlock	Command Lock/Unlock	55	
Fast Address Display	Fast Address, Display	Fast Address, Display	997	
Fast Address All	Fast Address, All Units	Fast Address, All Units	998	
Fast Address UnAssigned	Fast Address, Unaddressed	Fast Address, Unaddressed	999	

Chart continued on next page...

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	AUX ON/OFF	PRE-POS COMMAND NUMBER	PRE-POS SET/SHOW	TC700	LTC 0709 LTC 0809	G3	DAY/NIGHT	RECEIVER/ DRIVER
	auto/manual			Y	Y	Y	Y	N
	peak/ave			Y	Y	Y	N	N
	incr/decr			Y	Y	Y	Y	N
	on/off			Y	Y	Note ²	N	N
	auto/manual			Y	Y	Y	Y	N
	on/off			Y	Y	Note ²	Y	N
	on/off			Y	Y	Note ²	Y	N
	on/off			Y	N	N	N	N
	on/off			N	Y	Note ¹	Y	N
	on/off			N	N	Note ³	Y	N
	on/off			N	N	Note ³	Y	N
	on/off			Y	Y	Y	Y	N
	on/off			Y	Y	N	N	N
	incr/decr			Y	N	N	N	N
	on/off			Y	Y	Note ¹	N	N
	on/off			Y	Y	N	N	N
	on/--			N	N	N	Y	N
	on/off			N	N	N	Y	N
	auto/manual			Y	Y	Y	Y	N
	incr/decr			Y	Y	N	N	N
	incr/decr			Y	Y	N	N	N
	incr/decr			Y	Y	N	N	N
	incr/decr			Y	Y	N	N	N
	indoor/outdoor			Y	Y	Note ¹	Y	N
	incr/decr			Y	Y	Y	Y	N
	ll/xtal			Y	Y	Y	Y	N
	on/off			Y	Y	Y	Y	N
	incr/decr			Y	Y	Y	Y	N
	on/off			N	Y	N	N	N
	on			N	N	N	Y	N
	on/off			N	Y	Y	Y	N
	on/menu			N	Y	Y	Y	N
	on/menu			N	Y	Y	Y	N
	on/menu			N	Y	Y	Y	N
	on/off			N	Y	N	N	N
	on/--			N	Y	Y	Y	N
	on/--			N	N	Note ¹	Y	N
	on/off			N	N	Note ¹	Y	N
		103	set/----	Y	Y	Y	Y	N
		104	set/----	Y	Y	Y	Y	N
	on/off			N	N	Note ¹	Y	N
	on/off			N	N	Note ³	Y	N
	on			N	N	Note ³	Y	N
	on			N	N	Note ³	Y	N
	on			N	N	Note ³	Y	N

¹ Feature only applicable to G3 cameras having firmware equal to or greater than 2.00.

² Feature only applicable to G3 cameras having firmware less than 2.00.

³ Feature only applicable to G3 cameras having firmware greater than 2.00.

APPENDIX C: INTUIKEY & KBD-SFTCFG COMPATIBILITY

Refer to the following chart to ensure compatibility if using the KBD-SFTCFG IntuiKey software program to configure an IntuiKey Series Keyboard:

IntuiKey Series Firmware Version ¹	Compatible KBD-SFTCFG Language Table Version ²	
	Default Language Table Name:	“Meta Data Schema” number:
I.01 to I.02	English, Spanish, Dutch, French, German, Italian; 1	“1”
I.03	English, Spanish, Dutch, French, German, Italian; 2	“2”
I.10	English, Spanish, Dutch, French, German, Italian; 3	“3”
I.20	English, Spanish, Dutch, French, German, Italian, Polish, Portuguese; 4	“4”

Notes:

1. IntuiKey firmware version number is displayed in the left LCD screen when the device is first powered up.
2. The “Meta Data Schema” number of the Language Table loaded into the KBD-SFTCFG software can be determined by selecting the **Property** option found under the program’s **File** menu.

If necessary, the latest IntuiKey firmware and Language Table files are available for download from the Software Update section of www.philipscsi.com.

APPENDIX D: SECURITY INFORMATION

INTUIKEY SECURITY

Features that should not be changed unintentionally are protected by a general password. This password can be accessed by pressing **1** and **0** simultaneously. If the buttons are not pressed within 1 second, the command times out.

AutoDome SECURITY

The AutoDome contains security features to restrict access to its **Advanced Menu**.

To obtain access to the **Advanced Menu**, enter an **Auxiliary Off 90** command. If no password has been set, the AutoDome's default password of **0000** (four zeros) allows the **Auxiliary Off 90** command to directly unlock the security feature to the **Advanced Menu** commands.

After a period of 30 minutes, the AutoDome will automatically lock access to its **Advanced Menu**.

If the AutoDome password feature is enabled, enter the appropriate password using the keyboard joystick.

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