3Dキャラメイク H 恋愛シミュレーション

コイカツ！
koikatu

Katarsys Plugin User Guide

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¤ Introduction

Small things about me and this,

I am a generalist 3d graphic designer, I've start serious modding thing when i discovered the Ipa plugins after Honey Select cames out. it's such a marvelous tool to modify the behavior of any illusion game bukd with unity..
At Koikatsu release, since through the learning process during HS, I feel really confortable with Ipa and Unity coding, i decide to try something with this new game, and hopefully patching and plugins creations works flawlessly..

Basically, I wanted to fix commons illusion's game issues (at least, on those I tried), I mean a big lack of immersion....
No subjective view, Ui hide half of screen, shortcut's and navigation between pose isn't efficient, and especially on koikatsu, having to move mouse toward the right screen bottom pad to change the action ruin the gameplay, only teasing part is a sucess from my point of view. Why to put so much effort in graphics, dubbling, characters customization... to offer such a weak gameplay? A H game shouldn't suppose to be something playable with one hand ? Anyway, apart from this point, I think Illusion made a great production there, and an awsome base to mod. It's a tribute to their work.

¤ Added Function Glossary

  - **A custom Uncensor that you should use, but not necessary...** *(about Uncensor)*
  - **A configuration menu to adapt things to your taste**
  - **Huge story gameplay improvements** *(3 - Daily Statistics and H results)*
  - First Person Point of view *(about First Person View)*
  - A simplified UI with only usefull buttons *(about Smart UI)*
  - An alternative way to control H positions and actions with sortcuts and mouse *(¤ Gameplay and Shortcuts)*
  - H can be crowded, partner can be change, can ask for strip tease or lesbian actions *(about Harem)*
  - User friendly way to navigate or chain between position with some sort of combo .
  - Time management in H scene *(Time Evolution)*
  - Cosplay in H

¤ Dll Installation

  This Mod dll is designed for Ipa Plugin, though it still can work under or parallel to BepInEx

- Running with BepInEx

-method 1 : without IPA

BepInEx have a basic Ipa loader feature, you need to create an IPA directory in Koikatu/BepInEx
then put KoikPlugins.dll inside. **Create the folder Koikatu/Plugins**, the dll need this to write preferences

In the last official BepInEx build (4.1) IPALoader.dll doesn't let kPlug work in story (only works in free H)
You can get a full working IPALoader.dll in tha last automatic BepInEx build there
http://bepisbuilds.dyn.mk/bepis_plugins

the last IPALoader.dll version will let kPlug do his job in story
Most of BepInEx mods are compatible exept... *(see Mod's compatibility issues)*

- method 2 : along side with IPA (Don't let bepinex handle Ipa)

(there's no advantage in that method if you use the last IpaLoader)
Patch the Koikatu.exe and CharaStudio.exe with IPA (see *Patching with IPA* instructions.)
Then, disable BepUnEx IPA loading feature. In Koikatu/BepInEx folder, rename IPALoader.dll as (for example) IPALoader.dll.bck
As far as I tested all hfpatch included mods are working exept... *(see Mod's compatibility issues)*

- Mod's compatibility issues !

there is a noticable bug (in story only) with SideLoaded mod that use an external skeleton (ex : Atari breast mod), it works a bit... but if you do H with multiple girls or **another thing I had not identify**, the game will freeze on a futur loading screen ! Put some time on that issue but can't find a way to solve it.
The problematic loading screens are, from morning H to school, from after school to Go back together and from home to next day... once you add someone in a H scene, you can be sure that you will stick to the next loading screen from above list. There is other case than multiple H where that will occurs but I didn't get the reason.
So, if you really wish to play story with those mods, avoid to face the deadfull loading screen, do not invite anyone in morning H, do not invite someone to go home with you, and save before to go to the next day...
If you disable the side Loaded skeletons mod(s) (change extension or put it outside mods folder), there is no more issue.

Obviously, since this mod tweaks the girl's statistics it will conflict with other gameplay mods or ones sharing shortcuts with kPlug.

- Patching with IPA (Fresh instal or along side with BepInEx)

here we need IPA, you can find it there https://github.com/Eusth/IPA/releases

In the archive, you will find a folder named IPA, and two files, IPA.exe and Mono.Cecil.dll.
Put those in Koikatu folder then
drag and drop Koikatu.exe on IPA.exe
drag and drop CharaStudio.exe on IPA.exe
Once done, IPA.exe, Mono.Cecil.dll and IPA directory can be removed from Koikatu folder. (not necessary)

Now a Plugins folder should be created in Koikatu directory, put KoikPlugins.dll inside.

* Return from an Ipa patched solution to a bepInEx solution,

Restore the original extension for IPALoader.dll in BepInEx folder, then
rename **Koikatu_Data/Managed/IllusionPlugin.dll** and **CharaStudio_Data/Managed/IllusionPlugin.dll**
ensure to have koikPlugins.dll in BepInEx/IPA folder

¤ Uncensor Installation

kPlug's uncensor is not a side Loaded mod, it will overwrite game's files. (reminder : dll can works without)
it contains 2 files,
abdata/chara/oo_base.unity3d (main body and skeleton)
abdata/studio/base/00.unity3d (studio skeleton)

It's not really necessary but you may wish to backup the two original files.
Drag and drop abdata folder from kPlug in Koikatu folder and say yes for overwriting file.

If you use BepInEx and sideLoaded uncensors, it will override kPlug's one on scene load. To avoid this, move Uncensor folder outside Koikatu/mods, you won't regret this.
If you want to use again bepInEx uncensors drop back Uncensor folder in mods.

Kplug's uncensor use additional bones, if you wish to use it with atari breast mod or any other mods that use a sideloaded skeleton you will face a missing bone issue. Private area part will stick at world center.
For atari mod, I provide a fix but you'll have to work a bit. Since that's not my work, I will not redistribute the whole mod.
In folder _fixForAtari you will find the two atari's skeleton versions with added bones,
you need to unzip atari mod archive in Koikatu/mods folder, replace the file oo_base.unity3d by the given one (depending if you use normal or oversized version) **and repack the archive.**
It doesn't fix the story issue after H with multiple girls !

Missing bones are issues but useless bones are not. So, once you patch your atari version you can still use it with other uncensors. Same after replacing studio skeleton, it's still usable with other uncensors.

¤ Gameplay and Shortcuts
(Keyboard used keys in green , blue for new one or changed)
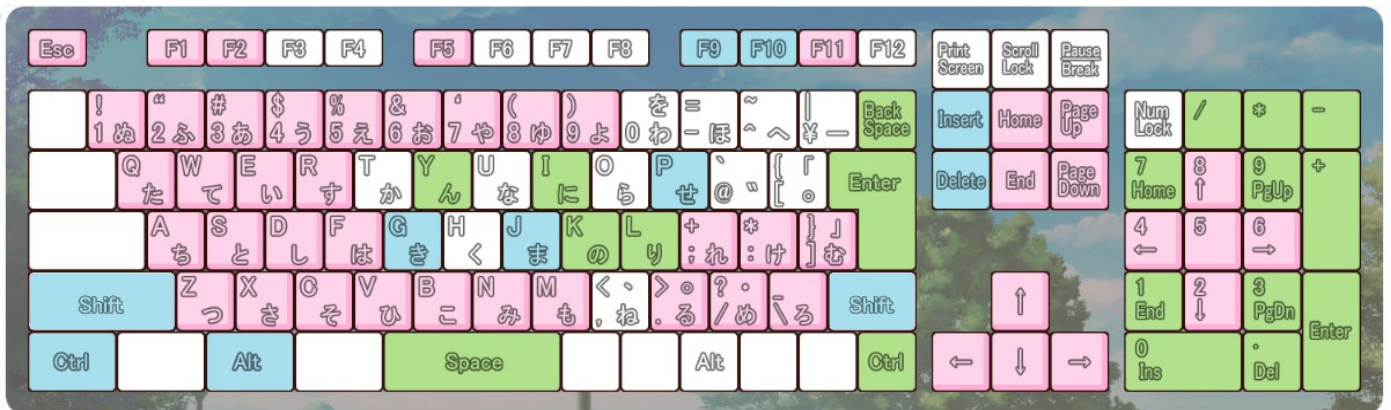
1 - Configuration Menu

Delete Key :   SHORTCUT HAVE CHANGE !
            Open Settings Menu

This Menu can be opened on Title screen, at home and during daily life when roaming at school. In the last case, cursor and right screen buttons have to be visibles (stuff showed when you press mouse's wheel button).

During H, **hold ctrl and press Delete** to access a variant menu with some shared parameters and others dedicated to situation.

* settings are saved in **Koikatu/Plugins/kPlugPrefs.txt**, deleting rhis file will reset your preferences
! ensure to have a Plugins folder in Koikatu

Configuuration is organized in tabs

Common
basic kPlugin behavior settings

Automiticly Invite Closest Girls...
  At school girls arouud will join if you start H, turn on or off this features
  Slider set number that could join the scene.

Auto Toggle First Person View
  Launch First person view at H start or not,
  Slider use to adjust the camera focal value in first person view
  Use Right Shift as alternative shortcut, enable shift as shotcut for fpv **NEW !**
  ! Shift is used in game's shortcut to manipulate camera with numpad combinaison... pretty useless but option exist
  for those who have a numpad and use this camera moving function.
  Enable shortcut (appears when auto toggle is off) to turn off fpov feature

Auto Toggle Smart UI
  Direclty reduce UI at H start or not
  when Off a button enable shortcut appear, turning it off disable smartUi feature

H Consume Time
  In Story H consume time specified by slider

Advanced

Enable Edits in Personal Diary NEW !
  Add a Girl's save cheat tabs when at home.

Use Audio reverb on some map NEW !
  Add reverb in toilets, shower and pool map (does'nt work in free H, will be fix soon)

Messages color
  Define color used when kPlug is writting something on screen

Display Messages on Screen during H
  Show or hide combo and invitation messages during H scene (denial or process message not concerned)

Show H Results
  Display automaticly results messages after h scene

Display Translated Names
  main roster characters have translated names, use the translation or display the original japanese writting. This
  impact H messages and Personal Diary.

Player Visibility Mode when using tools NEW !
  Allow to change native game behavior when teasing a girl in piston or services
  Normal : player disapear, Shadows : Player just cast shadows, Full: player stay visible.
  ! For now, It's working fine only if player is naked, will be fix in next version.

Girl Think
  If enable, girl will lead service and change pose by herself during h scene.

Hold Accesories when loading coordinates
  If on, Accesories aren't replaced when loading a coordinate

Enable Cosplay
  Girl in public receive the same clothes when changing coordinates on main girl.

Read menu tips to know more about other options in this tab…

Interface

Contains setting for kPlugin User Interface

Invitation menu setting
    You can adjust the size of menu

Smart UI settings (if smart Ui feature is disabled, this part won't appear)
Button Size slider,
    adjust the size of button in Smart UI (scene end, pose change butoons)
Show Position Change Buttons
    Display or not the position change button

Show Face and Gauges
    Display or not Face and Gauges
    When On, a slider appear to adjust the displayed size

Show Touch Tools
    Display or not the Tool menu (top-right corner menu)
    When On, a slider appear to adjust the displayed size

H Options

Appear during H Scene (replace common)

Infos field
    resume session time and time before next period (in story, if H consume time)

Change Lighting Ambiance (in free H, in story if H consume time is OFF or H session time frozen)
    Allow to change light ambiance to Day, Evening or Night

Freeze Session Time (appear in story, if H consume time)
    Stop time counter in current session

Use Sepia tone
    Apply a Bicolor filter on screen

if in first person view Slider to adjust the camera focal value.

2 - During H Scene

¤ **Commons**

¤ **During Piston**
- Navigation between pose :
Actions shortcuts :

¤ **During Service**
- Navigation between pose :
- Actions shortcuts :

¤ **During Teasing**
- Navigation between pose :
- Actions shortcuts :

¤ **H with multiple girls**

¤ **Interaction With Clothes**
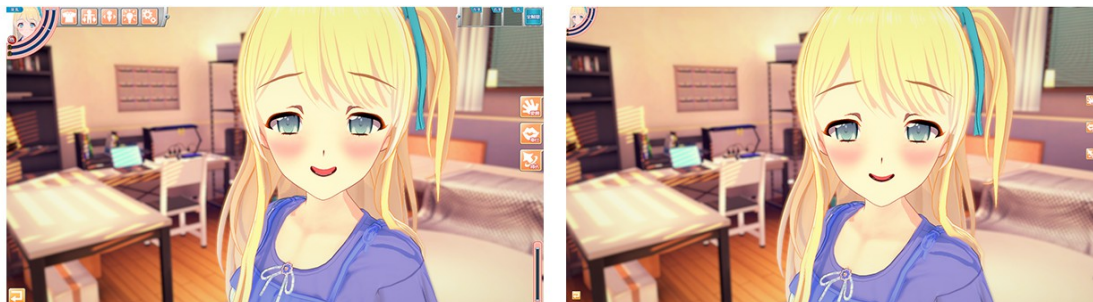 - Main Girl's Clothes
  - Public's Clothes

¤ **Cosplay**
¤ **Combos**
¤ **Special H Situations**   NEW !

¤ Commons

- Smart UI :

Numpad del (.) or **F9** : CHANGE !

- T**oggle UI to something more discreet (smart UI)**

* Smart UI size and (some of) displayed icons and menu are now adjustable in settings

- First Person View Mode : CHANGE !

Numpad 0 or **SHIFT :**
   - (when not in fpov) **Toggle ON First Person Point of View**
   - (when in fpov) **Reset First Person pov at player head position**

Numpad 0 + Ctrl or **SHIFT + Ctrl :**
   - (when in fpov) **Toggle OFF First Person Point of View**

Numpad Slash or **F10** *(only while in fpov mode)* : CHANGE !

   - Enter or exit « Light Placement Mode », to easily place the light direction in the scene
   - Can press Numpad 0 to exit this mode

- Point Move context :

Space key *(only while in smartUi mode)* :

   - Enter or exit « Point move context » (that's mode use by the game to change location on map)

- Invitation UI :

I key :
Show / Hide Invitation Menu, click on a girl to invite her.
- In Story You can invite any deflowered girl from your save if not in anger against you.
 ! If koikatsu's option to limit number of loaded girls at school is used, missing ones are not avaibles for invitation during day.
- During Free H menu contain all cards you have in UserData/chara/female

   •   a maximum of 50 girls could join, framerate will reach 0 before this limit
   •   * characters appears as card in free h
   •   Menu size can be changed in settings

- Bend Male spine : CHANGE !

(only if player is there, piston and service)
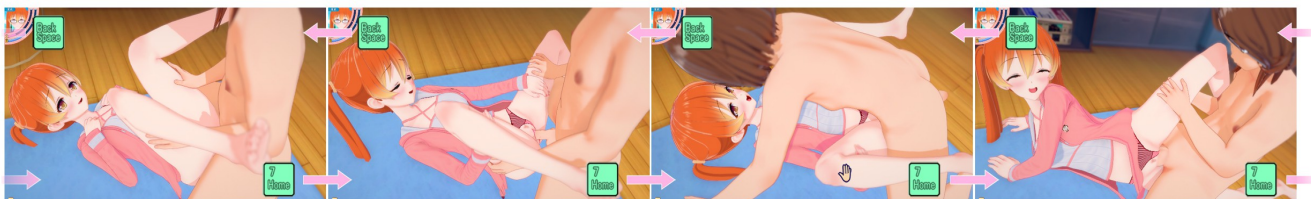**Numpad + and – keys** or
Hold Ctrl + mouse wheel scroll

¤ During Piston context

- Navigation between pose :

Numpad 7 *(or Insert)* **and Backspace keys** CHANGE !

Go to Next or Previous avaible pose at piston
❗You can do that at Idle state or during action (some difference for avaible pose during action)

- avaible poses are organized by family !
- depending on map location
- front or behind situations
- and if in action or at idle

Ctrl + Numpad 7 *(or Ctrl + Insert)* **and Ctrl + Backspace** CHANGE !

Go from Front to Back or Back to Front situation (depending on what is the current context)
❗YOU CAN ONLY DO THAT AT IDLE
* back situation are the only ones with anal possibility
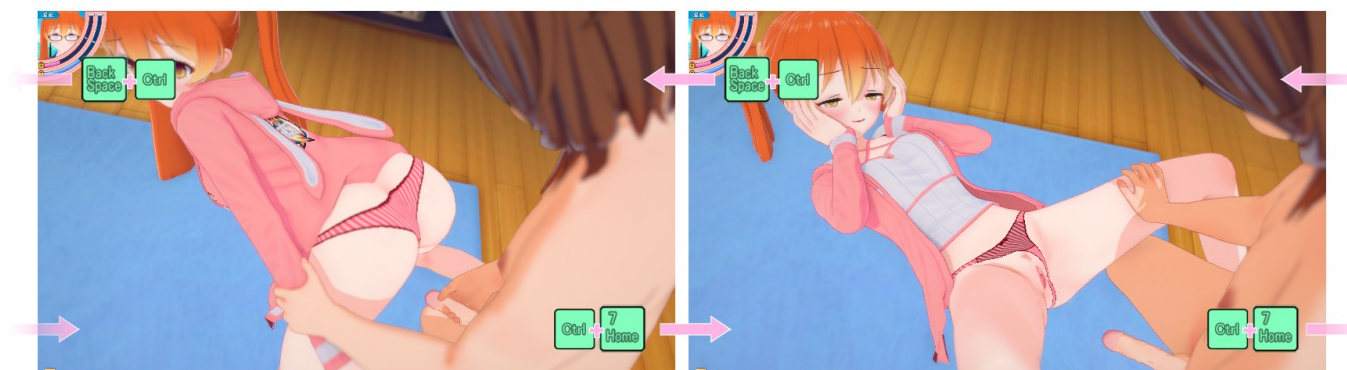
- Going from piston to TEASE :

Kiss or Put hand (or any tool) on one of girl bottom parts (butts, anus or butts) and press
Keypad Enter or
Hold right mouse button and mouse wheel click NEW !

❗You can do that at Idle or during out cum. **Count as combo in that case or if girl have just cum.**

- Going from piston to SERVICE :
    press **Enter** while looking at girl's
    Face for a Mouth Job,
    Chest for a Boobs Job,
    Arm or Hips for Handjob
    ! YOU CAN ONLY DO THAT AT IDLE

- Actions shortcuts :

- Condom : Toggle Condom on or off
    K key (Kondom...): Accesible at piston idle (exception when using chain, see combos parts)

- Force Pose : On some poses, you can slightly change it . (only if first person view is on)
    Numpad 9 and 3 keys or **Hold Ctrl + hold right mouse button + mouse wheel scroll**   **NEW !**
    (wip, many variations has issues to match hands together, seems that it should be dependents with girl size)

@ Piston Idle

Vaginal Insertion

Mouse wheel scroll up
or
Numpad Enter *(hold ctrl to insert without asking)*

@ Piston Idle, (if anal avaible)

Anal Insertion

Mouse wheel click
or
Numpad * *(hold ctrl to insert without asking)*

@ Piston Idle Inserted - Idle After Orgasm

Start Moving

Mouse wheel click, wheel scroll up or Numpad Enter
Wheel Scroll Down to pull out

@ During Motion

Motion Change

Mouse wheel click or Numpad *
Wheel Scroll Up or Down to change speed

@ Near Cum

Cum !

Mouse wheel click or Numpad Enter, finish Inside
Mouse wheel scroll down or Numpad enter while hold ctrl, finish Outside

tips : Keyboard cum shorcuts can operate once male gauge reach 70%, mouse ones need a gauge at a minimum of 80%

@ During Inside Cum

- **Pull out and finish outside**
    Numpad Enter or
    Hold right mouse button + mouse wheel scroll down   NEW !
    (see ¤ Combos)

¤ During Service context

- Navigation between pose :

**Numpad 7 *(or Insert)* and Backspace keys**   CHANGE !

> Go to Next or Previous avaible service (same kind)
> ! You can do that at Idle state or during action, if player is below cum trigger range

Ctrl + Numpad 7 *(Ctrl + or Insert)* and Ctrl + Backspace   CHANGE !

> Go to Next or Previous service Kind (ex : HandJob to Blowjob)
> ! You can do that at Idle state or during action, if player is below cum trigger range
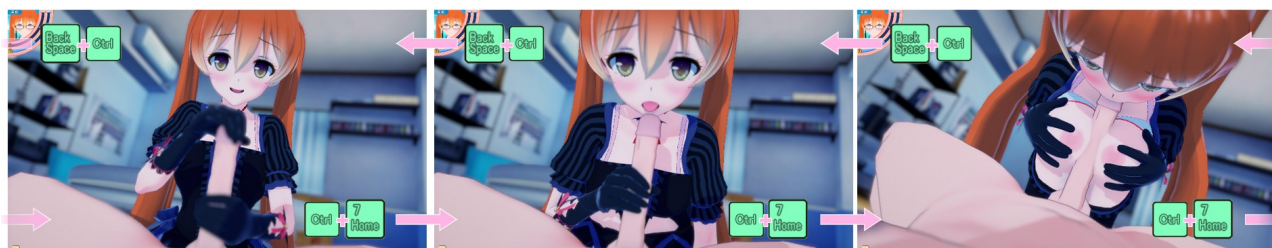
- Going from service to TEASE :

> Kiss or put a hand (or any tool) on any girl's part and press
> **Keypad Enter or**
> **Hold right mouse button and mouse wheel click** NEW !
>
> ! You can do that at Idle or during out cum. Count as combo in that case.

- Going from service to PISTON :

> Girl have to be in a clothes state that allow insertion.
> **Keypad Enter or Keypad *** (vaginal or anal)
> or
> **Hold right mouse button and mouse wheel scroll up or click** (vaginal or anal) NEW !
>
> ! You can do that at Idle, during action if player is below cum trigger range,
> or during out cum. Count as combo in the last case case.

- Actions shortcuts :

Girl have an additional AI that make her lead service, she start by herself, change job by herself after finishing you, and she may engage piston.
You can disable this in settings.

@ Idle
> Mouse wheel click or Numpad Enter,
> engage the job

@ Motion
> Mouse wheel scroll up or down to change the speed
> Mouse wheel click to change motion type NEW !

@ Near Cum
   Mouse wheel click or **Numpad Enter,**
   cum Inside if avaible at this job (outside if not)

   Mouse wheel scroll down or **Numpad Enter + ctrl hold,**
   cum Outside

   * if you reach the gauge maximum with the option girl think enabled, she will force you to cum

@ Drink Idle
   Mouse wheel scroll down for asking her to spit
   Mouse wheel click for asking her to swallow

¤ During Teasing context

- Navigation between pose :

   Numpad 7 *(or Insert)* **and Backspace keys** CHANGE !

   Go to Next or Previous avaible teasing position (depends on location)
   ! You can do that at Idle state, not during or after girl cum

* when changing the pose, hold parts are released.

- Going from tease to PISTON :

   Keypad Enter or **Keypad *** (vaginal or anal)
   or
   Hold right mouse button and mouse wheel scroll up or **click** (vaginal or anal) NEW !
   ! You can do that when you wish **if girl is in a clothes state that allow insertion**

- Going from tease to SERVICE :

   press **Enter** while looking at girl's
   Face for a Mouth Job,
   Chest for a Boobs Job,
   Arm or Hips for Handjob
   ! YOU CAN ONLY DO THAT AT IDLE

- Actions shortcuts :

   Not many thing in tease mode,
   you can use **numpad 1 and 3** to rotate around the girl

¤ H with multiple girls

If You start H with girls around, some may join the session, depending on wich settings you choose.
With factory settings, if around, the 3 closest girls will join.

if you enter H with someone's that is still a virgin, public may join but they will refuse to swap in this session.
A virgin girl may be there in public, but she will refuse to swap, that's not a good situation for a first time .
(behavior in story mode, see note's about statistics for deeper infos on what could happen...)

- To Swap main girl to another one
   Look at someone in public and press Enter

- Swap to another situation   NEW !
   Look at someone in public and press Ctrl + Enter
   Swap from piston to sevice or to service to piston.
   (avaible in piston or service)

- Swap main girl to another one with a lesbian animation transition
   (Once the main girl came)
   Look at someone in public and press L

Conditions for a succesfull swap,

   – **in Teasing, main girl have to be in Idle or in Orgasm idle (pose just after orgasm)**
   – **in Piston you have to be in Idle (penis outside)**
   – **in Service you have to have a gauge below 70% or she won't le you go**
   – **there's additionnal opportunities, see combo options** *(¤ Combos)*
   – **in piston or for some lesbian actions, may required a particular clothes state** (Swaping to a dressed girl)

If demand is accepted there should be a system sound and she will answer with a smile,
when rejected there is a cancel system sound and she will reply with a sad expression
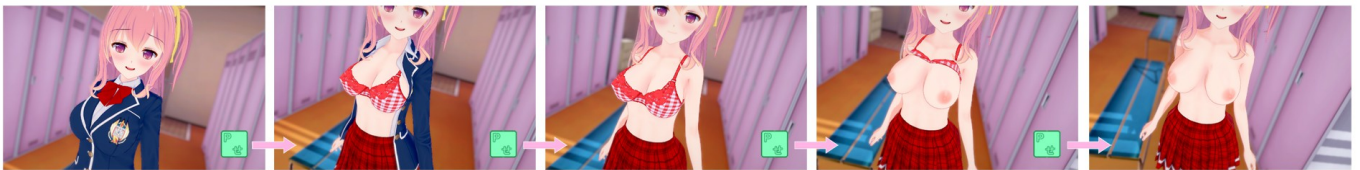
¤ Interaction With Clothes

Press Delete Key to open clothe menu   **Forget to notify this before !**

- Main Girl's Clothes

**Same idea than with public, you look on a part and press P**
- look at chest to strip tops and bra
- look at hip to strip bottom and panties
- look at arm to take off gloves,
- look at leg to take off shoes and socks

One click on P set the clothes looked part on the next state.

In that case, you'll take off clothes in a linear way, all above pieces will be removed before to start with the underwear...

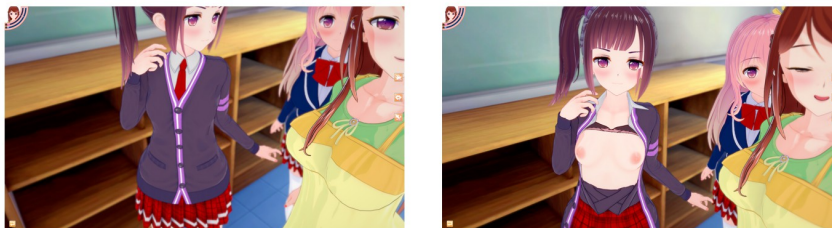**So, to reach inbetween undressed state, here's the idea**
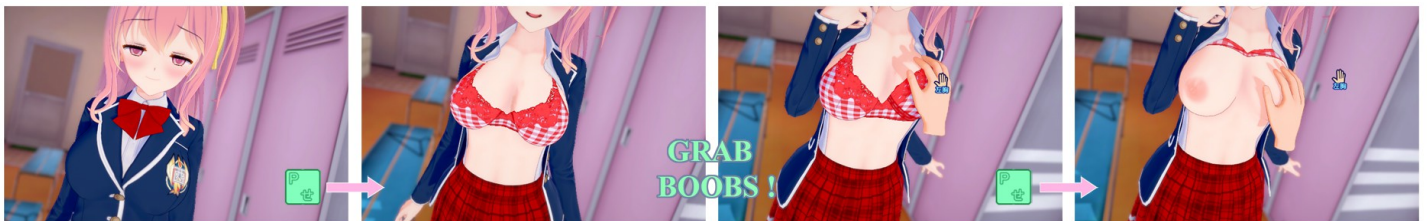
Same logic applied for the bottom parts and panties, but there, you'll have to grab something from pelvis !
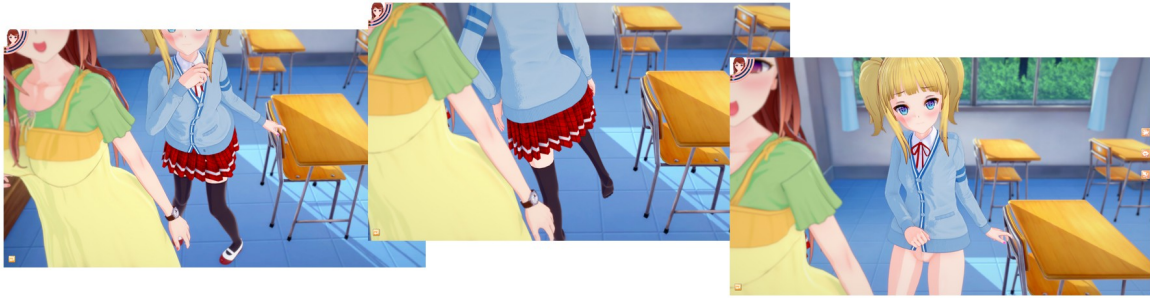
- Public's Clothes

A virgin girl will refuse to take off her clothes, she may reveal her boobs if her exitation raise from your demonstration is enough (above 10 , this behavior is only for story).

Expose her Boobs

Look At Somebody breast and press P !

Free her private area (animated strip tease using the shower animation)

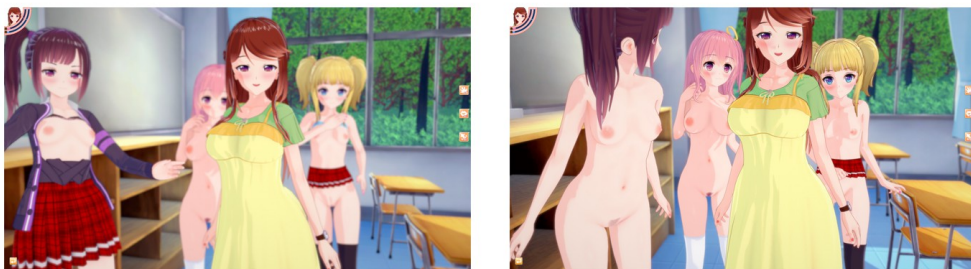**Look At Somebody waist and press P !**

Full StripTease (animated strip tease using the shower animation)

Look At Someone face and press P !

StripTease for all public (animated strip tease using the shower animation)

Hold ctrl and press P !

Hold Ctrl and press J key to re-dress every girl in public

* Striptease for now don't include socks gloves or accessories.

¤ Cosplay (if multiple girls in H)

During H press G to toggle cosplay expand   NEW !
if ON, loaded coordinate card on main girl is applied to girl in public.
* if public girls are already nude, the coordinate change will keep them in eve dressing,

¤ Combos and chain between poses

To keep increasing combo you've got to avoid staying at idle state for a certain time.

Chain opportunity happen on those situations
- **during inside finish** (piston only) CHANGE !
   you can press **numpad Enter** or **Hold right mouse button + wheel scroll down**
   to pull out and finish outside.

- **during out cum or after pulling** (piston only, after orgasm, not on start idle) CHANGE !
   numpad Enter or Hold rmb + wheel scroll up will chain to a next position (vaginal)
   numpad * or Hold rmb + wheel click will chain to a next position (anal)

! Swap to another girl during out cum or after pulling count as a combo !

* Just after chain piston input you can press condom shortcut K to put it on !
* Swaping to a dressed girl may launch striptease animation if she's not ready to join at situation you ask for.

About Trance :

there is 3 trance levels to reach when increasing combo (Trance step defined by settings),
   - Trance impact visual fx (bloom and blur) before to break combo chain)
   - Time before chain break is increase
   - Splashing range is increase, you may aroused close public girls...
   - H session timer slow down
   - Cum quantity is increase in girl's daily stats.
   - Highest level add an echo audio effect.

About Exitation and gauges :

- Minimum exitation is increase after each orgasm (Increment depends on pace settings) or combo
   min exitation maximum values is clamp to given in settings (default is 60%)
   male and girl gauges minimum will remain at this level.

- When chaining to next pose, exitation reach by gauges, animation move type and speed, depends on timing you wait before to chain.
- Public girl with a high minimum exitation will start masturbation (add an orgasm on daily stats when finish),
if maximum min exitation settings is below 20, public won't do that... I will refine these in futur

¤ Special H Situations   NEW!

On Masturbation Scene :

Want To Help? Press **Enter** to came in. Pose will change to Teasing, Depending on wich onanism animation you're looking at.

! In that situation girl's denials are disabled,
! Point Move context (space key) can't be used.
! Invitation Menu can't be used.
! That is not and won't be avaible in free H cause there's no male to use in that context.

On Peep Scene :

Can't resist ? Press Enter...
If girl is virgin or have a lewdness bellow 95 that will be considered as a rape, music will change and girl's gauge will remain at 0, though experience experience is boost.

Situation on wich you will enter (anal or vaginal)
in Shower depends if you'are looking the girl from behind or from front
in Toilet depends the animation moment where you pressed the key

! In that situation girl's denials are disabled,
! Point Move context (space key) can't be used.
! Invitation Menu can't be used.

On Lesbian Scene :

That's disapointing but you can't interact in that situation, can't find a correct method to use player.
Strip function with P is avaible on the two girls.
You can navigate between stand and lay pose if started in one those pose.
! Point Move context (space key) can't be used.
! Invitation Menu can't be used.

On Big Heart situation :

Still need to work on and isolate those cases
! Point Move context (space key) can't be used.
! Invitation Menu can't be used.

3 - Daily Statistics and H results

- Personal Diary

This menu resume infos about girls as personality, experiences and daily's statistics.
press **Y** key to open or close. It can be open at home, at school when the mouse cursor is visible (mouse wheel click context) and during talk with a girl.

Except during talk* a scroll list with all the characters from the save you currently play on.
You can use
mouse wheel scroll to navigate in the character scroll list, if cursor is not focus on the scroll,
up arrow to move at scroll end, **down arrow** to move at scroll begining.
Obviously you can also drag the scroll bar.
left and **right arrow** can be used to navigate from one girl's stat to another one.

* During Talk this menu contains only the girl you are talking with.

A girl statistic is organized in 4 tabs

- **About Her,** resume personality and relation with you.
- **Daily Stats**, resume girl's current state (lewdness, favor, anger...), mood, and interactions with you on the current day
- **H Experience**, resume what the tab's name suggest.
- **Edits**, (appear at home if enabled in config) allow to edit girl save parameter. **NEW !**
left and **right arrow** + **control** key, can be use to navigate between the tabs

If you are not close enough from a girl, you can only access About Her tab.
Not beeing close enough for a common girl means you still had not reach friend state,
for a story heroines you had not finish their scenario and for teacher, it means you've not done H with her. z

- about Edits !
Avaibles edits are limited on story characters, avaibles edits change in function of relation and experience.
Restoring a girl virginity only impact dialogue, it won't recreate the first time H situation cause it depends on girl's h session count. To do that, use Experience reset button.

- About daily life and statistic behavior

Daily stats retains various things you do with a girl on the day, talks, studies, sport, lunch, club activities and H.
That will impact girl statistics and daily mood depending on what you do or not do.

At a girl's first time
- Be aware that a virgin is very sensitive on her first time. Forcing her to do what she don't want, as anal or raw insertion, will result in a mess up session, she will try to escape once in any Idle state, and experience won't be resume. In that case anger will be very high, depending on how many unwanted thing you've done. After this situation you can't beg pardon on the same day, anger will remain the same!
When girls are here to watch you on someone's first time, they will not appreciate if you mess up with the girl. Tolerance to your reckless actions depends on few things, a virgin will quicly turn in anger and have severe loss in friendship and lewdness, a girl use to sex with you, have a greater tolerance to that before to get angered, a bit more if they have the horny trait (ビッチ), but there's a limit... If this limit is reach under the eyes of a girlfriend, In bonus of anger state you will probably receive a rupture sms in the evening!
Note that a Yandere (Depressive Nympho) girl is not concerned... she have serious mental issues.

- Be carrefull, If a girl is satisfied with her first time, you can still mess up if you have reckless sex with her on the same day.

With experienced girl(s)

- During session with girls used to sex, people are more open-minded to your deaf behavior... But anal sex can be painfull, if a girl say she don't want that, you shouldn't do it too much.... could become a rupture motive for a girlfirend ! Forcing raw insertion will have a minimum impact if you do not cum inside, especialy on dangerous day.

Leaving to much semen on a dangerous day will put the girl in worry on pregnancy state, they will be angered a bit if quantity is small and if you really abused, angered a lot, a girlfirend with a low favor for you will break-up for that !
- Forced anal sex tolerance will be greater for a girl with the horny trait.
- Girls who doesn't care about condom (define in the save or when creating a character) can't be worry on pregnancy.
For the other ones, it can only occurs on ridky day. A single cum inside will trigger worry on pregnancy but girl's severity depends on quantity. Tolerance is greater for a girlfirend and greater for someone with the horny trait.
For Yandere and Maternal personality, worry on pregnancy isn't a negative feelings.

About girls in public; a virgin can't be used but she's watching on you! her tolerance is greater than when watching you with another virgin but forced actions on other girls will be a cold shower for her sexual curiosity...
Girl used to have sex with you but was not involved will be frustrate. This state increase the lewdness and drop down the favor. She will not be angry for that except if favor is already at minimum, favor drop will be resume as anger.
A girl with frustrations and no interactions in H may react badly at day's end... Tolerance to frustrations is smaller for girlfirend and for someone with the horny trait or Yandere personality.

On Dating day !

If you have several girls to date... You still get a chance to resolve the trouble if date end's in h session and you invite other girl(s) you were suppose to meet. Inviting her just for watch is a bad idea !

- H Results

results are displayed after h, before the experience gauge screen. It will automaticly appear if config enable H results.
Insert key can be use to show or hide those results.
It resume simple things for each participant.
First is girl opinion then you will see favor, lewdness and anger changes.
Opinion are reflected in daily's girl thoughts.
Some opinion are definitive for the day... Pregnancy stress, Bad First Time, First Time Ruined can't be changed once reached.
Satisfied opinion is good but not definitive, favor will be at maximum, and lewdness will be discrease, so she will not chasing you anymore for today. Satisfied girl will start the next day with maximum lewdness.
Ecstatic opinion is the greatest opinion you coul have, it's definitive for the day. Means what ever you show or do with her it can't be revolved in negatives moods!
Favor is at maximum, and Lewdness is put to 999 (she won't be in nympho state anymore for today).
Satisfied and Ecstatic mood is easier to reach with a girlfriend than with a sex-friend, girls with the Horny traits are more difficult to satisfied.

Thoughts and opinion colors
- White is normal,
- orange is bad but not angered
- red is bad and angered
- pink is satisfied
- magenta is fulfill

- Traits changes

For now it's just about 2 traits, but others will probably be implements in next versions

Girls who finish the day on Ecstatic opinion and have participate to several sex group session can receive
- Horny trait if not already have it
- Like Girls if already have horny trait (if Like girls trait is not one of her trait)
if a trait is optained, a message will be displayed on the screen and it will be reports in personal diary as Today's added traits.

Something have to be clear, the changes kPlug's apply to girl's save are made in the game's instance, nothing is write until you save your game.

4 - Other Shortcuts and Behavior (only in story mode)

X ray mode (avaible in school)

P to strip every character at school CHANGE (Forget to precise in last release) !

! pressing key while already in Xray mode, increase the duration,
! Starting H during Xray mode will browse guest girl in eve dressing.
! Xray mode timer doesn't evolve during H.

- Free Camera Mode (avaible during talk, events or h results) NEW !

press **SHIFT** to toggle free camera ON/OFF

! if toggle Off then turn On again, last position is restored, using **ALT+SHIFT** when turning free mode On
will restore default camera position

Undress in free mode
while in free mode, look at girl chest, hip, arm or leg and
press **P** to remove some clothes (press **J** to redress the girl)

! a message about what's you are looking at is displayed on screen, when this message is visible you can
remove clothes on the current part.
! In talk scene (the one with buttons), requiered colliders are only active when the girl is speacking or
reacting to peep or touch, I don't know why and can't find a way to fix that.

- Time Evolution

If you enable the option in kPlug config, H time will be report in game's timer, you can go through day's period in H
if the time overcome the current period timer, you may see lighting evolve from morning to night into a single h
session !
In case you reach night at school the next period button is disabled, you can take a girl at your place or press F8
shortcut to go back at home.
Once in night H doesn't consume time anymore. (also Morning sex at home doesn't have limit)
Note that Trance slow down the H time counter depending on trance level.

- About Clothing Behavior NEW !

Clothing states, coordinate change and covering semen is retain and will be maintain on girls until they gone to
shower or locker room, or time period's change.
! Low model used on map have unavaible clothing states. With some clothes kind, low character will be render
with missing shoulder.

¤ Deeper Inside the plugin (infos and technical notes)

- about Uncensor

The provided uncensor contains additional bones for woman used to create a more realistic flesh effect.
Male uncensor is a custom work, color match with male body, knob color have 4 variations depending on body color.
Female uncensor color have 4 variations depending on body color. **NEW !**
Balls mesh and condom texture are from **whatsadick4[rounderBalls] unc.**
Matching colors feature inspired by **Alaxae** unc. Thanks for their work.

You can choose to use a different uncensor, all plugins functions will be still avaibles. Of course, if you go for that, forget about animation on girl's private area and penis color matching.

- about First Person View

As you've noticed it's re-initialyzed each time pose change. I can't achieve to do it in a different way, or it mess-up with some camera orientation.
I have to re-work some stuff on this fpv mode as additionnal shortcuts in tease context (crouch or stand), depth of field focus system polishing and few other things, but the re-initialization between pose will probably remains.

- about Smart UI

As you've noticed and as it is for fpv, it's re-initialyzed each time pose change. I can't achieve to do it in a different way, or it mess-up when switching H mode (eg : service to piston, service to tease...) since Ui contents change in function of H mode, It may be improved in some way, means avoiding re-init when staying in the same mode (eg : tease to tease, piston to piston...).
I think there's still some bug to fix when samrt Ui is enabled while some menus are opened (from the main menu, light direction and colors... will be fix soon)
In Peep scene (shower, toilet...) the smart UI will hide the replay/exit end screen, disable smart Ui (numpad del) to see it. (will be fix someday)

- about Harem (multiple girls in H)

Don't really remember why I try to do that... probable cause was the ridiculous situation caused by starting H surrounded by 10 girls and just finding 1 in the scene... Envy to meet teacher's and story heroines... whatever it was, this part was near from the most hardcore die and retry games, Nioh seems a walk in flower field now.
 Creating characters wasn't a big deal but using voice and personality wasn't the same story... The solution isn't complicated at all but i struggle a lot to find it . Anyway now the function is stable,

few bug to fix,

- some girls may not react when asking to switch (changing anim position or map position, may resolve their listless mood)
- Voices are overlaping (some girls may speack multiple time)
- What public says isn't always relevent, for a native japanese or someone fluent with japanese it may be disturbing. I will try to improve those reactions someday..

Swap and Lesbian actions

The solution i've fiound for adding different girls is to read save data and create a custom character that doesn't belong to native methods, means for the game's native code, those characters doesn't exists.
Swaping between characters is just a copy of one save data to another one. That's why when leaving H, all the girls are restored as it was before any partners swaping.

Main girl will return to the initial one (at h start) and public's one are restored as the one they was whan entering the scene. It may consume time, especially if you added many girls to your scene but it's an important state to avoid issues with your save !

I try but can't find a way to add a second girl as the official one in native methods (as it work in a lesbian peep scene), so lesbian swap is buggy,
I can't connect properly girls size together and use the correct expression for the second character,. I am not sure to be able to improve a lot around this.
Launched Lesbian animation depends of the pose you were when asking,(the laying one give the best result).

If you start Lesbian action at desk, it will go for the lesbian animation on chair, height doesn't fit ! it will be fix or at least improve.

While implementing for Free h, i have found a better approach, when you peep a lesbian scene, player is in the scene but invisible, it's sound possible to start action with guy from that point.
I should be able to use this context since for the game method 2 girls are in the scene, but what to do with the normal H context...
I will think and investigate on that way.
I investigated that way... but that not usable as I hoped. Using male and changing animation in lesbian scene create various bugs I can't resolve.

- about Koikatsu Official Updates

Koikatsu is a recent game, Illusion shedules various updates,
When an update will contain a new Assembly-CSharp.dll version (Koikatu_Data/Managed/), there's huge chances that the plugins needs an update.
For cosmetic only updates (hair, clothes, acc) it should work as it was.

plugins dll may add functions or components but it's still very dependent with game's original methods accessibility level.
If Illusion's decide to change their code, it may create restriction and unusable/undoable things.
So cross your fingers with me and hope that won't happen.

I'am pretty sure that a next update will add 3PH in main game cause there's methods in Koikatsu's code dedicated to this.

I will try to react as soon as possible when an update with a new Assembly is release, so if case, try to be patient.

¤ Road Sheet

- Fix Various bug and finish work in progress part
- Rework on Lesbian interactions
- Fix voices overlap
- Inprove pose variation
- ...

- Improve Private area skining and animations,

You enjoy this feature ? It could be better.